

**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): April 8, 2021

Tarsus Pharmaceuticals, Inc.
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

001-39614
(Commission
File Number)

81-4717861
(IRS Employer
Identification No.)

15440 Laguna Canyon Road, Suite 160
Irvine, California
(Address of principal executive offices)

92618
(Zip Code)

Registrant's telephone number, including area code: (949) 409-9820

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:

- 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, \$0.0001 par value per share	TARS	The Nasdaq Global Market LLC (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 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2). 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 7.01. Regulation FD Disclosure.

On April 8, 2021, Tarsus Pharmaceuticals, Inc. (the "Company") posted an updated corporate presentation (the "Corporate Presentation") to its website, which the Company may use from time to time in communications or conferences. The Corporate Presentation may be accessed under the "Presentations" section of the "Investors & News" tab on the Company's website at www.tarsusrx.com. A copy of the Corporate Presentation is attached as Exhibit 99.1 to this Current Report on Form 8-K (this "Report").

The information in this Report, including Exhibit 99.1 hereto, is being furnished and shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended ("Exchange Act"), or otherwise subject to the liabilities of that Section, and shall not be deemed incorporated by reference in any registration statement or other filing pursuant to the Securities Act of 1933, as amended, or the Exchange Act, except as otherwise expressly stated in such filing.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

<u>Exhibit No.</u>	<u>Description</u>
99.1	Tarsus Pharmaceuticals, Inc. April 8, 2021 Corporate Presentation.
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

DATE: April 8, 2021

Tarsus Pharmaceuticals, Inc.

By: /s/ Bobak Azamian
Bobak Azamian, M.D., Ph.D.
President and Chief Executive Officer

Tarsus Corporate Presentation

April 2021



Legal Disclaimer

This presentation contains forward-looking statements that involve risks and uncertainties. Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based on our current expectations and projections about future events and financial trends that we believe may affect our financial condition, results of operations, business strategy, and financial needs. All statements other than statements of historical facts contained in this presentation, including any statements regarding our expectations of the potential market opportunity and patient populations for our product candidates, including TP-03, TP-04, and TP-05 if approved for commercial use, including comparisons between the market for treating blepharitis and the market for treating dry eye disease; the inability to grow the market in a similar way to the dry eye market may occur due to differences in the underlying diseases, different eye care professionals or patient attitudes towards the diseases, symptoms or treatment, regulatory approval, market dynamics, differences in company strategy, marketing or operations and differences in key assumptions which we have not taken into account in our analysis; the ability of our clinical trials to demonstrate acceptable safety and efficacy of our product candidates, and other positive results; the timing, progress and results of clinical trials for our product candidates, including statements regarding the timing of initiation and completion of studies or trials and related preparatory work, the period during which the results of the trials will become available, and our research and development programs; the timing, scope and likelihood of regulatory filings, NDA submissions and approvals; our ability to obtain marketing approvals of our product candidates and to meet existing or future regulatory standards or comply with post-approval requirements; our expectations regarding the potential advantages of our product candidates over existing therapies; the impact of COVID-19 on our business, clinical development programs and operations; the receipt by Tarsus of payments and achievement and timing of milestones under the terms of the LianBio collaboration, the ability of LianBio to commercialize TP-03 in the Greater China territory; our potential to enter into new collaborations; our expectations with regard to our ability to develop additional product candidates or product candidates for other indications; our ability to identify additional products, product candidates or technologies with significant commercial potential that are consistent with our commercial objectives; our ability to develop, acquire and advance additional product candidates into, and successfully complete, clinical trials; the initiation, timing, progress and results of our preclinical studies and clinical trials, and our research and development programs; the commercialization and market acceptance of our product candidates; our marketing and manufacturing capabilities; the pricing of and reimbursement for our product candidates; the implementation of our business model and strategic plans for our business and product candidates; regulatory development in the United States, Europe and other jurisdictions; our ability to effectively manage our anticipated growth; our financial performance and projections relating to our competitors and our industry, including competing therapies are forward-looking statements. The words "may," "will," "expect," "anticipate," "aim," "estimate," "intend," "plan," "believe," "is/are likely to," "potential," "continue" and other similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Forward-looking statements may involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from those expressed or implied by the forward-looking statements. Accordingly, readers are cautioned not to place undue reliance on these forward-looking statements. 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. No representations or warranties (expressed or implied) are made about the accuracy of any such forward-looking statements. Important factors that could cause our actual results to differ materially are detailed from time to time in the reports we file with the Securities and Exchange Commission, copies of which are posted on our website and are available from us without charge. However, new risk factors and uncertainties may emerge from time to time, and it is not possible to predict all risk factors and uncertainties.



Corporate Highlights

Potential for first-ever FDA-approved therapeutic for Demodex blepharitis.
Significant market opportunity with no approved therapies

Pivotal clinical trials in 2021:
Saturn-1 Phase 2b/3 enrollment complete and top line data expected in Summer, Saturn-2 Phase 3 initiation planned for Q2

Pipeline with novel API advancing to Phase 2a proof of concept in MGD², and Phase 1/2 trials in rosacea³, Lyme disease and malaria⁴

Completed four clinical trials, including two Phase 2b randomized control trials.
Consistently met safety and efficacy endpoints

Two new studies on disease prevalence and impact, and Chinese license
validate market opportunity and inform commercial strategy

1. The market for Demodex blepharitis may not be similar based on differences in the underlying disease, different ECP and patient attitudes, and treatment and/or key assumptions we have not taken into our analysis.
2. We intend to rely on preclinical studies for Demodex blepharitis and clinical safety assessments from the Demodex blepharitis program in order to advance to Phase 2a for MGD. We have not conducted and we do not intend to conduct any preclinical studies with TP-03 for the treatment of MGD.
3. We intend to leverage systemic preclinical data from our TP-03 program and augment with additional dermal preclinical studies to select formulation in order to advance to Phase 1/2. We have not conducted any preclinical studies in rosacea with TP-04 to date. See slide 25 (including the footnotes thereto) for more information.
4. In relation to Lyme disease and malaria, we intend to leverage oral systemic preclinical data from our TP-03 program as well as third-party oral systemic preclinical studies for Lyme disease or community malaria reduction, respectively. See slide 26 (including the footnotes thereto for more information)



Tarsus Executive Leadership Team



Bobby Azamian, M.D., Ph.D., President & CEO, Co-Founder
 • Former CEO/CMO Metavention
 • Extensive investment/entrepreneurial experience with Versant and Third Rock Ventures
 • Medicine at Brigham, M.D., Harvard, Ph.D. Chemistry, Oxford



Leo Greenstein, J.D., CPA, Chief Financial Officer
 • Former SVP, Finance & Corporate Controller of Spectrum Pharmaceuticals, Inc.
 • 20+ years of finance leadership within publicly-traded companies
 • Certified Public Accountant and Member of State Bar of California



Michael Ackermann, Ph.D., Chairman, Co-Founder
 • CEO Presidio Medical
 • Former Chairman, Oyster Point Pharma
 • Former CEO Oculeve, VP Neurostimulation Allergan



Elizabeth Yeu, M.D., Chief Medical Advisor
 • Nationally recognized leader in Ophthalmology
 • Cornea, Cataract, Refractive and Ocular surface specialist
 • Future President American Society of Cataract and Refractive Surgeons (ASCRS)



Sesa Neervannan, Ph.D., Chief Operating Officer
 • Former SVP Global Pharmaceutical Development, Allergan
 • 25+ years drug development experience, with deep expertise in ophthalmic and dermatology products
 • Prior drug development experience at Amgen and BMS



Dianne Whitfield, MSW, Chief Human Resources Officer
 • Former VP, Head of HR Evolus
 • 20+ years HR leadership including multiple roles at Allergan
 • Extensive experience supporting both commercial and R&D organizations



Aziz Mottiwala, MBA, Chief Commercial Officer
 • Former CCO Opiant, and Head of Commercial at Avanir
 • Former VP Marketing, Allergan Eye Care, (Restasis®, Lumigan®)
 • 20+ years of Commercial experience, with 10+ years in eye care



Bryan Wahl, M.D., J.D., General Counsel
 • Former Partner, Knobbe Martens LLP
 • Broad legal experience including IP and strategic transactions
 • 20+ years practicing internal medicine, most recently at Kaiser Permanente



Our Mission

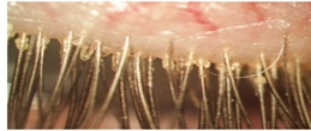
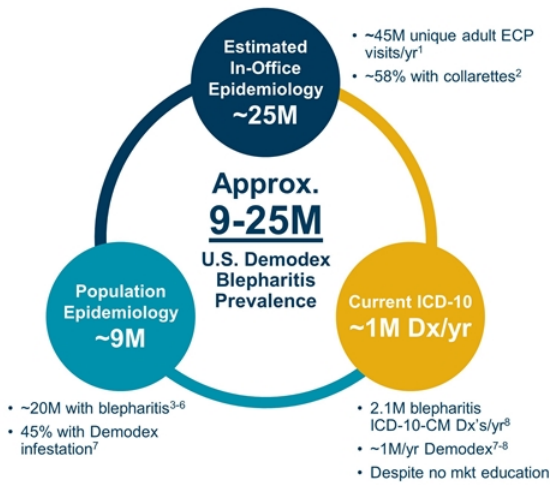
Focusing on **unmet needs**, we apply **proven science** and **new technology** to **revolutionize treatment** for patients, starting with eye care.

Our Vision

A **future** in which **patient needs** are met through **boundless therapeutic ingenuity**.

Blepharitis Is a Large and Underserved Market in Eye Care

Epidemiology of Demodex Blepharitis



Large Patient Population with Significant Disease Impact	Titan (collarette clinic prevalence) and Atlas (disease impact) studies demonstrate high prevalence of disease and significant burden on patients
Significant Head Start on Diagnosis	2.1M ICD-10 Blepharitis Dx's/yr ⁸
Blepharitis Routinely Causes	Eyelids to become red, irritated and itchy, with debris on the eyelashes. ⁹
Blepharitis Can Lead to	Blurring of vision, missing or misdirected eyelashes, and inflammation of other eye tissue, particularly the cornea ⁴
Concomitant Dry Eye	Significant overlap in Dry Eye patients. Demodex prevalent in ~69% of DE patients ⁵
Blepharitis and Surgery	Important factor for maximizing surgical outcomes: 67% of Cataract Patients have Demodex blepharitis ⁶
Contact Lens Drop-out	Studies have shown a direct correlation between Demodex blepharitis and Contact Lens intolerance ¹⁰
Prescription Treatment	None; 81% of patients currently seeking treatment ¹¹

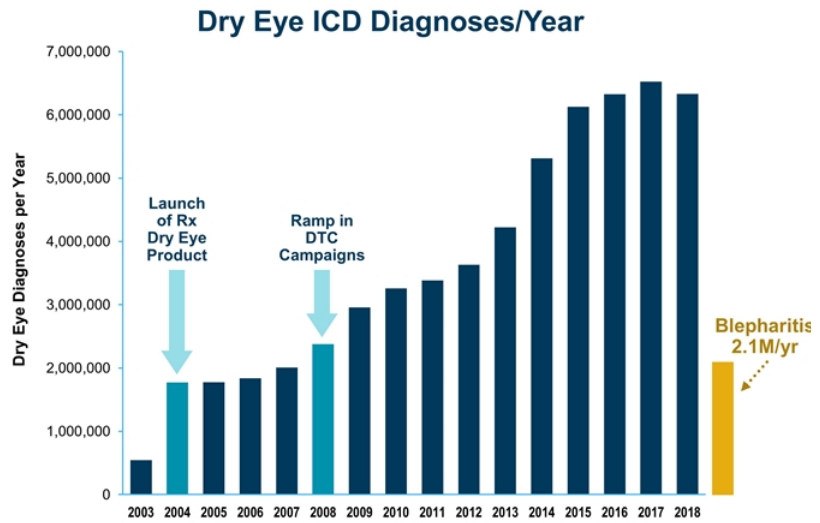


1. Wilson J Ophthalmology 2015, 435606, 2014; 2. Titan collarette prevalence study; 3. MGD Report IOVS, Special Issue 2011, Vol. 52, N. 4; 4. American Optometric Association; 5. Cheng Cornea Sept 2020; 6. IOVS June 2020; 7. Zhao - Ophthalmic Epidemiology, 19(2), 95-102, 2012; 8. Symphony Claims Data Analysis; 9. Harmon, Market Scope Dry Eye Analyst Report, 2014; 10. Tarkowski W, Moneta-Wielgos J, Mlucnicki D. Demodex sp. as a Potential Cause of the Abandonment of Soft Contact Lenses by Their Existing Users. Biomed Res Int. 2015;2015:259109; 11. Atlas pre-screening study

Blepharitis has Potential Similarities to Dry Eye Market 15 Years Ago

Potential Large Latent Demand for a New Therapy

- Large untapped patient population that was activated through education of ECPs and patients
- In 2003, no approved dry eye therapeutics
 - With approval of a prescription therapeutic and concurrent ECP and patient education, diagnosis rate increased 12 times
- Blepharitis already has 2.1 million diagnoses per year, despite no approved therapies
- Focus on Demodex blepharitis growing amongst ECPs
 - 80% of literature published in the last 5 years¹
 - Key topic for recent major meetings and educational programs
 - Increasing awareness amongst both Ophthalmologists and Optometrists²



¹Tarsus Demodex blepharitis literature review
²Corsica Lifesciences Market Research n=200
³The market for Demodex blepharitis may not be similar based on differences in the underlying disease, different ECP and patient attitudes, and treatment and/or key assumptions we have not taken into our analysis.



Collarettes Are Pathognomonic Sign of Demodex Infestation

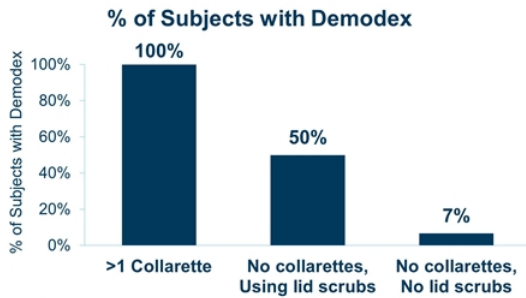


Collarettes Are Composed of Mite Waste Products and Eggs¹

- Regurgitated undigested material combined with epithelial cells, keratin, and mite eggs
- Contain digestive enzymes, which cause irritation

Easily and Rapidly Diagnosed with Standard Eye Exam

- Demodex mites found on 100% of lashes with collarettes²
- Collarettes found in ~ 58% of eye care patients³



1. Fromstein 2018
2. Gao et al., Invest Ophthalmol and Vis Sci, September 2005, Vol. 46, No. 3089-3094
3. Tarsus Collarette Prevalence Study

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Titan Study Confirms Widespread Collarette Prevalence in ECP Clinic Patients and Key Patient Segments

Study Overview

IRB-APPROVED RETROSPECTIVE CHART REVIEW

Examined presence of collarettes and other characteristics

LARGE-SCALE ALL-COMERS (1,032 patients)

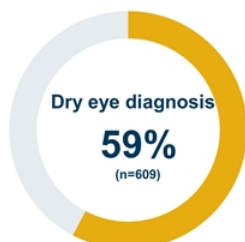
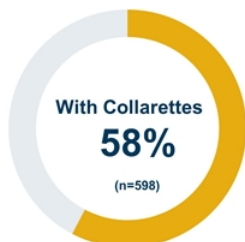
Consecutive patients with a wide variety of reasons for visit

DIVERSE ANTERIOR SEGMENT CLINICS

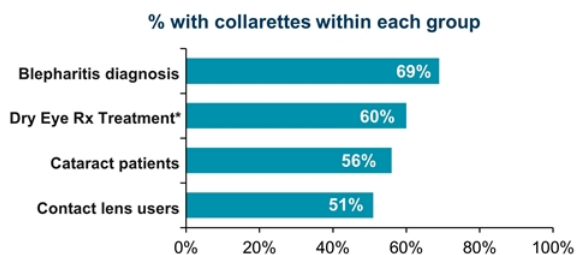
Geographically diverse (7 US sites) including both MD and OD clinics

Key Findings

% of Overall Population



Key Patient Groups



* 22% of all study patients on Dry Eye Rx treatment

Atlas Study Reveals Symptomatic and Psychosocial Burden of Demodex Blepharitis

- Multicenter, observational study of patients pre-screened for the Saturn-1 pivotal trial
- Evaluated the clinical and patient reported impact of *Demodex* blepharitis (interim analysis of 311 patients)
 - Presence of *Demodex* mites (at least 1 mite per lash)
 - Presence of collarettes (> 10, upper lid)
 - At least mild erythema

51%

Experienced signs and symptoms > 4 yrs

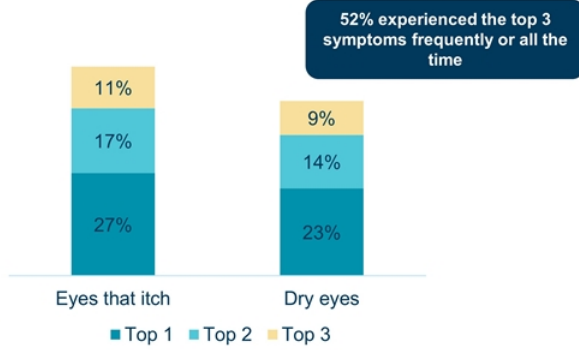
58%

Never diagnosed with blepharitis

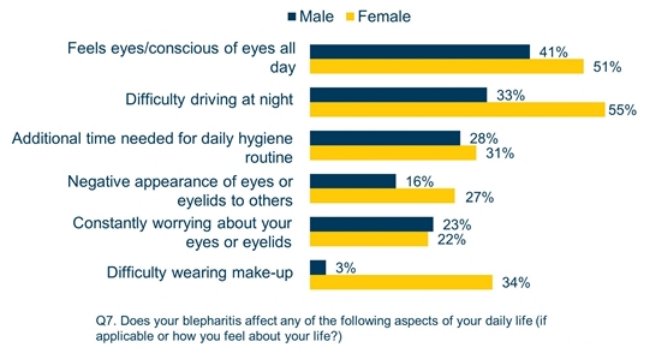
33%

Made at least 2, and sometimes more than 6, visits to a doctor for this condition

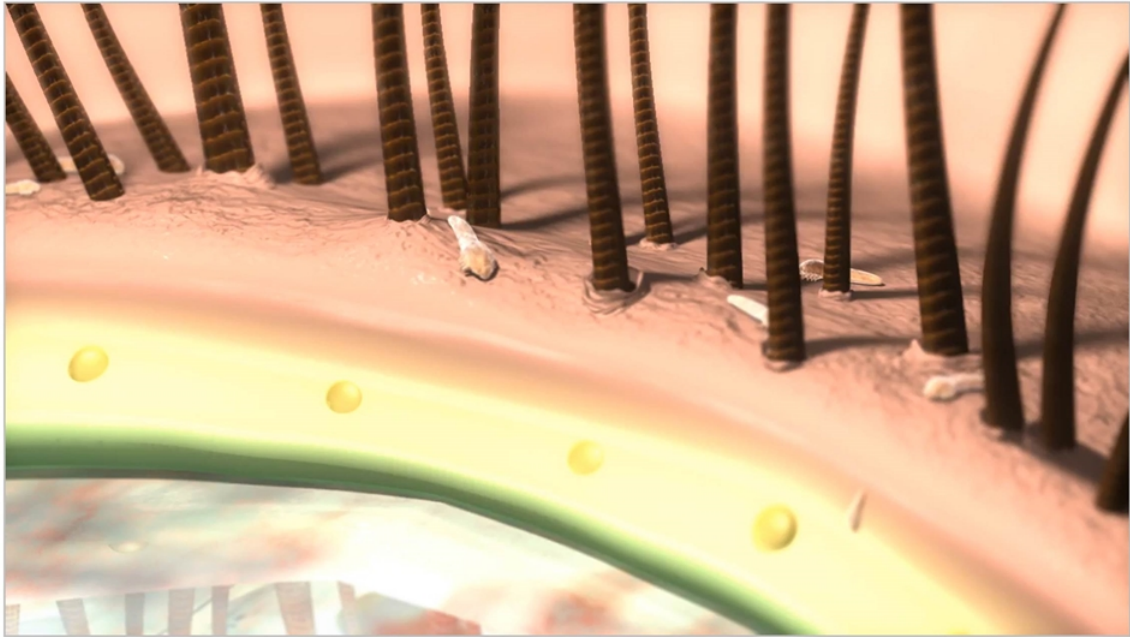
Most Bothersome Symptoms



Functional and Psychosocial Impact



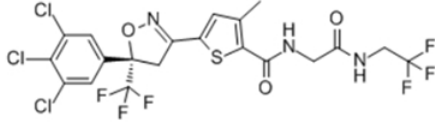
TP-03 is Designed to Eradicate Demodex Mites and Treat Demodex Blepharitis



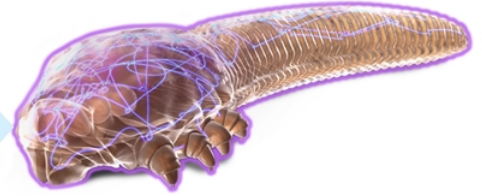
TP-03 is a Novel Therapeutic Designed to Eradicate Demodex Mites and Treat Demodex Blepharitis

TP-03 is designed to paralyze the mite nervous system through parasite-specific GABA inhibition






Lotilaner



- Potent non-competitive antagonist of insect and arachnid GABA-Cl channels
- Highly lipophilic molecule, which may promote its uptake in the oily sebum of the hair follicle, where the mites reside
- **Tarsus has licensed worldwide rights to lotilaner for all human uses**
- **Projected Orange Book Exclusivity to at least 2038**



TP-03 Is a Novel Drug Designed to Treat Demodex Blepharitis by Eradicating Mites and Collarettes¹

 Product Form	Multi-dose eye drop solution bottle, preserved
 Targeted Use	Treatment of Demodex blepharitis
 MOA	Paralysis and death of Demodex mites
 Diagnosis	Collarettes identified in standard eye examination
 Dosing	BID* for 6 weeks
 Efficacy Goal	1 ^o collarette cure rate, 2 ^o mite eradication, 2 ^o redness + collarette cure rate
 Safety Goal	Well-tolerated safety profile



*BID means twice per day

1. TP-03 Product profile based on Saturn-1 Trial Design

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Extensive Clinical Trial Program for TP-03

Trial / Study	Design	Endpoints	Results Achieved		Status
PoC: Mercury	Ex-vivo mite testing on 80 mites	Ex-vivo mite death count	100% mites dead within 24 hours (p < 0.001)		✓
Clinical Trials			Collarette Cure Rate**	Mite Eradication Rate	
P2a: Mars*	28-day BID dosing, single arm (n=15) Pilot formulation	Collarette grade Mite density Safety	86% at 28 days (p < 0.05)	57% at 28 days (p < 0.05)	✓
P2b: Jupiter*	28-day BID dosing, randomized 1:1 (n=60) Pilot formulation	1° – Mite density 2° – Collarette grade Safety	88% at 28 days (p < 0.001)	67% at 28 days (p < 0.005)	✓
P2a: Io**	42-day BID dosing, single arm (n=18) Current formulation	1° – Collarette cure rate 2° – Mite eradication Safety	72% at 42 days (p < 0.05)	78% at 42 days (p < 0.05)	✓
P2b: Europa**	42-day BID dosing, randomized 1:1 (n=54) Current formulation	1° – Collarette cure rate 2° – Mite eradication 2° – Redness Composite Safety	80% at 42 days (p < 0.001)	73% at 42 days (p = 0.003)	✓
P2b/3: Saturn-1**†	42-day BID dosing, randomized 1:1 (n≥350) Current formulation	1° – Collarette cure rate 2° – Mite eradication 2° – Redness Composite Safety	Trial fully enrolled Q1 2021, top line data expected Summer 2021		} Two Pivotal Trials
P3: Saturn-2**††	42-day BID dosing, randomized 1:1 (n=350) Current formulation	1° – Collarette cure rate 2° – Mite eradication 2° – Redness Composite Safety	Initiate trial in Q2 2021		

Same formulation of TP-03 as expected in the Saturn trials

Represents pivotal trial

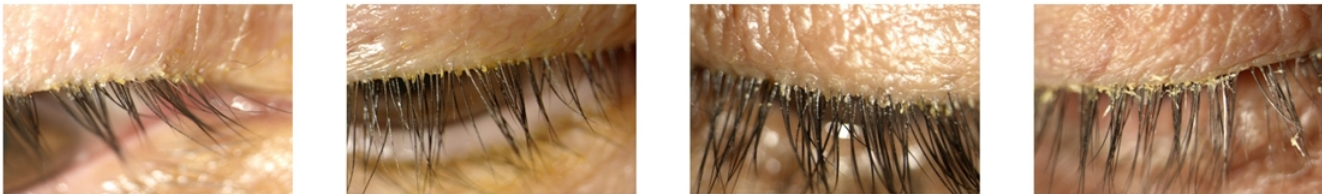


* The Mars and Jupiter trials used collarette grade as an endpoint, which has been translated into a collarette cure (defined as <10 collarettes). This is different from the collarette cure (defined as ≤2 collarettes) endpoint used in Io, Europa, Saturn-1 and the planned Saturn-2 trials. The Mars and Jupiter trials also used mite density as an endpoint, which is different from mite eradication. Mite density is translated into mite eradication, which is defined as zero mites per lash consistently throughout trials.
 ** Primary endpoint in Io, Europa, Saturn-1 and intended in Saturn-2 is collarette cure based on collarette grade.
 † In connection with our IND application, a "no-objection" letter was received from the FDA regarding the trial design of the Saturn-1 trial.
 †† Saturn-2 design is highly comparable to that of Saturn-1 with respect to which the FDA raised no objection and we expect to update the IND protocol prior to commencing Saturn-2.



Cure of Collarettes with BID Use of TP-03

Baseline



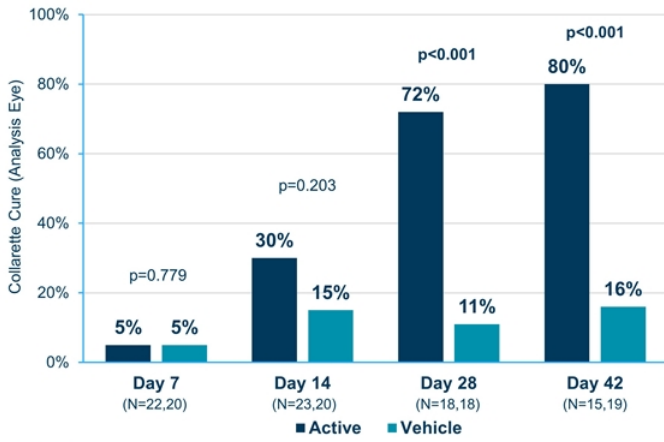
Post Treatment



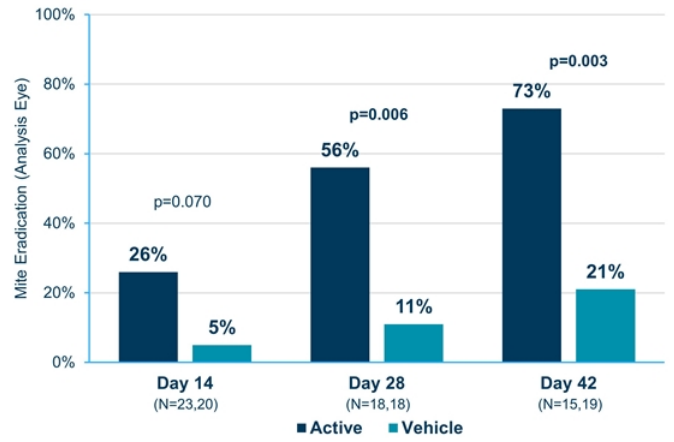
Europa Phase 2b: Efficacy Endpoints of Collarette Cure Rate and Mite Eradication Rate Both Achieved

Primary and secondary efficacy endpoints same as Saturn-1 trial

Collarette Cure (0-2 collarettes)*



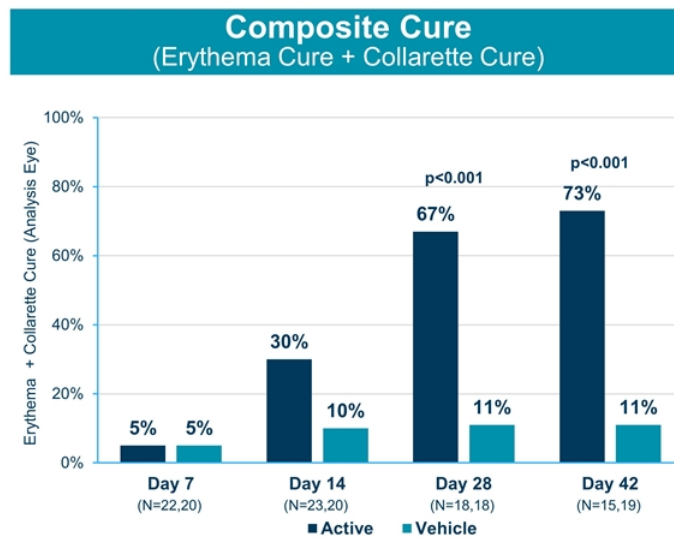
Mite Eradication (0 mites)



* The primary efficacy endpoint was the proportion of patients experiencing a cure based on collarette grade of two or fewer collarettes on the eyelid, or collarette cure, as compared to the vehicle control, at day 42.

Europa Phase 2b: Statistically Significant Composite Cure Rate

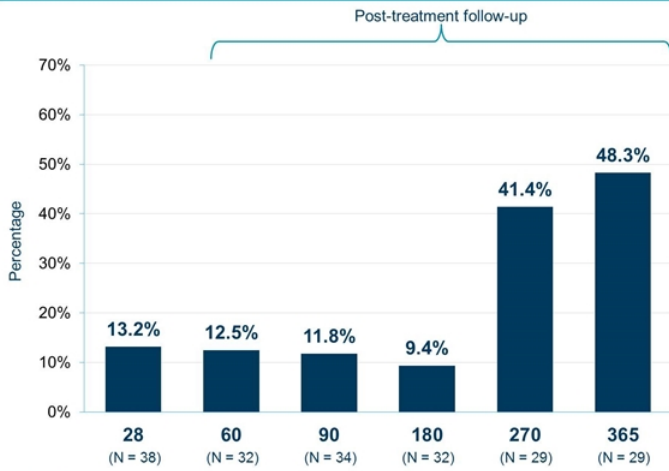
Lid erythema cure + collarette cure, additional secondary endpoint



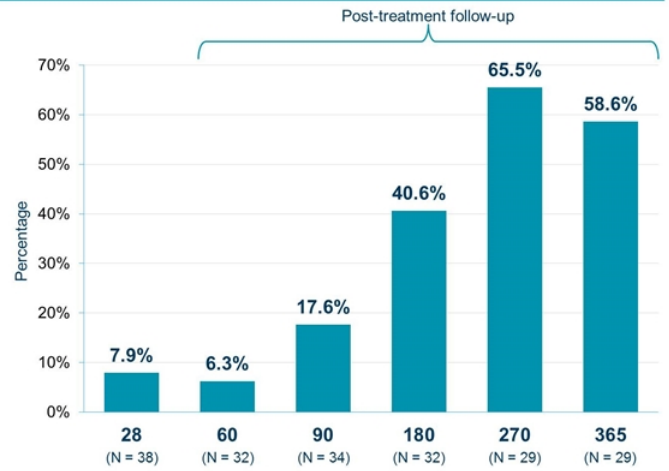
TP-03 Phase 2 Clinical Data Show Recurrence Rate of Clinical-Grade Demodex Blepharitis Post-Treatment

Post treatment data from Mars & Jupiter trials show recurrence of both collarettes & mite density

>10 Collarettes on Lid



Mite Density of 1.0 or More



Data account for presence of collarettes or mites on either eye, (upper eyelid for collarette score)



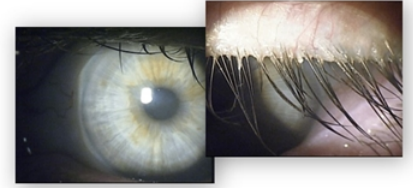
Differentiated Strategies for Potential Commercial Success

Positive disruption of existing norms will be at the core of our launch

Build a new market through a strong scientific platform

Elevate eyelid health as a foundation of ocular wellness

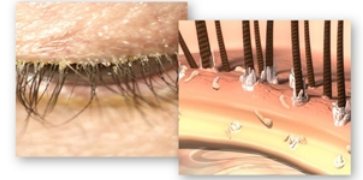
- Educate on the importance, prevalence and impact of Demodex blepharitis, and how disease management can be part of the overall practice routine
- Build a strong scientific platform through KOL engagement, evidence generation, and data dissemination
- Establish key patient segments: Diagnosed Blepharitis, Cataracts, Dry Eye, Contact Lens Intolerance



Drive patient action by telling a compelling disease story

Transcend the annual visit cycle by leveraging compelling disease visuals and new technologies to drive patients into the ECP office

- Drive patients to seek optimal lid health outside the routine exam or contact lens refill
- Leverage social and other visual media to tell a motivating, visual disease story
- Explore telemedicine as a conduit to accelerate patient action and diagnosis



Enable a novel indication by redefining the patient experience

Offer a cure with no barriers to facilitate market building through a unique patient experience

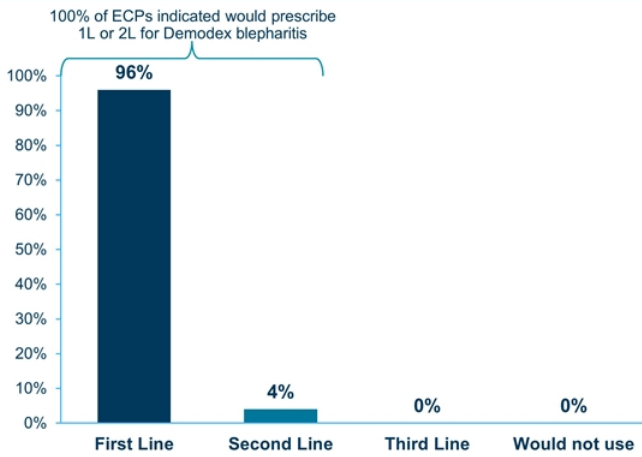
- Rapid, complete, and durable cure without hassle or frustration
- Couple broad reimbursement strategy with streamlined patient resources, discounts, and fulfillment
- Ensure patient touchpoints drive successful outcomes, initially, and for retreatment
- Explore role of specialty pharmacy fulfillment at launch



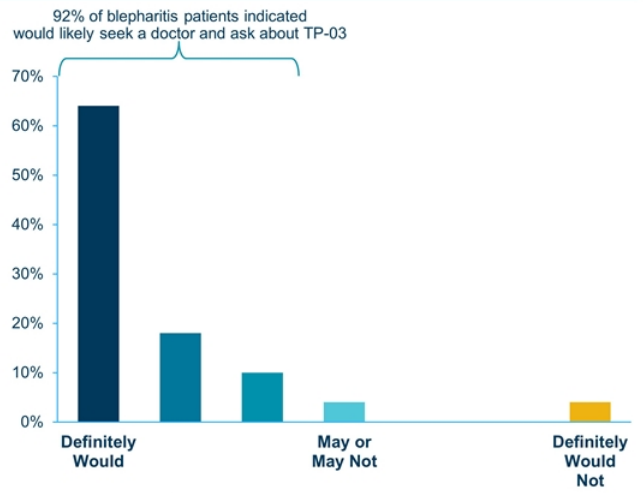
Market Research Shows Positive Reaction from Providers and Patients

After exposure to information on collarettes, Demodex blepharitis and TP-03 Phase 2 data

Clinician Intent to Prescribe



Patient Intent to Seek a Doctor



N = 50 eye care providers (25 MDs, 25 ODs)
Market research sponsored by Tarsus

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N = 50 blepharitis patients



Encouraging Payer Feedback on TP-03 for Demodex Blepharitis

Potential for favorable reimbursement with strong outcomes and lack of current treatment options

Payers view the potential profile of TP-03 as having a strong value proposition

- Objective clinical outcomes and targeted mechanism of action contribute to positive payer feedback
- Payers acknowledge the clinical relevance of both collarette cure and mite eradication
- No current Rx treatments available, and no clear, established OTC treatment alternatives currently exist

Novel treatment approach may drive compelling pricing with modest discounting

- Pricing could be comparable to branded dry eye products
- Given product profile, and lack of treatment alternatives, discounting and rebating is expected to be modest

Payers have indicated a limited need for utilization management

- Assuming 1-2 treatment cycles per year, payers view the per member, per month budget impact as reasonable
- Any potential payer restriction would be based on confirmation of diagnosis (i.e., ECP confirms presence of collarettes)



Summary of payer interviews conducted in H2 2020; n=20

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License for TP-03 in Greater China Expands Market and Provides Significant Non-Dilutive Funding

March 2021 out-license expands patient access to TP-03 in world's second largest healthcare market¹

40M

Estimated *Demodex* blepharitis patients in China²

70M

Estimated *Meibomian Gland* Disease patients in China²

\$4.5B

Estimated Chinese eye care market size by 2023

- LianBio was founded by Perceptive Advisors, and is focused on developing and accelerating availability of paradigm-shifting medicines to patients in China and major Asian markets
- LianBio to provide Tarsus up to \$200 million in milestones and other proceeds:
 - \$70 million expected over the next 12 months for time-based and near-term clinical milestones, including \$25 million in Q2 2021
 - Additional longer-term clinical/sales milestones totaling \$130 million
 - Tiered double-digit royalties based on LianBio sales of TP-03 in Greater China
 - Minority equity stake in LianBio
- LianBio solely responsible for all costs related to China regulatory approval and commercialization
















Greater China includes the People's Republic of China, Hong Kong, Taiwan and Macau.
1. Deloitte 2020 China Life Sciences Healthcare Trends Report
2. Xuguang S. Chin J Exp Ophthalmol. 2016; 34(6): 481-483. LEK interviews and analyses, Frost & Sullivan analyses

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Pipeline with Different Formulations of Novel API

Anticipated clinical trial events in our programs in 2021 (and selected events beyond)

Candidate	Indication	Formulation	Preclinical	Phase 1	Phase 2	Phase 3	Anticipated Future Milestones*	Worldwide Rights
TP-03	Demodex blepharitis	 (Eye drop)					Summer 2021: Top line data for Phase 2b/3 Saturn-1 trial Q2 2021: Initiate Phase 3 Saturn-2 trial	
	Meibomian Gland Disease (MGD)						Initiate Phase 2a proof of concept**	
	Demodex blepharitis (Preservative-Free)		<i>Preservative-free formulation to be tested after NDA submission</i>					Bioequivalence studies (US) ***
	Demodex blepharitis and MGD in China							2021: Finalize license and initiate pre-clinical work in China 2022: Initiate Phase 3 DB trial in China* 
TP-04	Rosacea	 (Topical)					2021: Initiate Phase 1/2 trial †	
TP-05	Lyme Disease	 (Oral)					2021: Submit IND; Initiate Phase 1/2 trial ††	
	Malaria						2021: Initiate Phase 1 trial ††	

* Anticipated milestones are subject to the impact of the ongoing COVID-19 pandemic on our business and those of our partners.
 ** We intend to rely on preclinical studies and clinical safety assessments from the Demodex blepharitis program. We have not conducted and do not intend to conduct any preclinical studies with TP-03 for the treatment of MGD in order to advance to Phase 2a.
 *** We intend to leverage all preclinical, Phase 2 and Phase 3 data from the TP-03 Demodex blepharitis program. We intend to conduct in vitro or in vivo bioequivalence studies with our preservative-free formulation to compare it to the current preserved formulation of TP-03 in Demodex blepharitis after NDA submission and file a supplement.
 † We intend to leverage systemic preclinical data from our TP-03 program and augment with additional dermal preclinical studies to select formulation in order to advance to Phase 1/2, which we intend to conduct outside the United States. We may need to address this approach with the FDA if we were to conduct a clinical trial in the United States. We have not conducted any preclinical studies in rosacea with TP-04 to date.
 †† In relation to Lyme disease and malaria, we intend to leverage oral systemic preclinical data from our TP-03 program as well as third-party oral systemic preclinical studies for Lyme disease or community malaria reduction, respectively (and will not conduct our own preclinical studies for Lyme disease and malaria). The formulations used in preclinical studies use the common approach of a gavage that is scaled as appropriate for use in animals. However, human administration, while continuing to be oral, will take the form of a tablet or capsule. Subject to FDA feedback from our planned pre-IND meeting, we intend to conduct Phase 1/2 trials in these indications based on these preclinical studies. In relation to malaria, we may conduct our Phase 1/2 trial outside the United States. While we plan to discuss this approach for Lyme disease in a planned pre-IND meeting with the FDA, the FDA may reject our use of data from these preclinical studies and require us to conduct additional preclinical studies before advancing to clinical trials, which may delay our expected timelines for approval and increase costs.



TP-03 Eye Drop: Potential Label Expansion Opportunity in Meibomian Gland Disease

Potential label expansion into Meibomian Gland Disease

- MGD is a primary cause of Dry Eye; MGD has been found to be approximately two-thirds of the estimated 34 million Dry Eye patient population in the United States
- TP-03 targets a known cause of MGD, Demodex brevis mites
- Potential to be the first FDA-approved therapeutic with an indication for MGD

Phase 2a planned (Patient selection and endpoints TBD)



TP-04 Topical Potential New Treatment for Rosacea

Current Standard of Care	Soolantra®[®], anti-parasitic drug <ul style="list-style-type: none">• 1% ivermectin cream used once daily• Targets Demodex mites, but modestly effective, takes 8–12 weeks to show efficacy• ~\$500 WAC for 30-day supply
TP-04 Topical	<ul style="list-style-type: none">• In-vitro studies and pharmacodynamics testing to identify a lead formulation of TP-04 in progress• Phase 1/2 planned for 2021*
Significant Market Opportunity	<ul style="list-style-type: none">• ~16 million people in the U.S. are affected by rosacea per U.S. National Rosacea Society• Prevalence can represent up to 5.4% of the U.S. population**• Given the role of Demodex, opportunity exists to reframe disease management and apply a differentiated approach



TP-05 Oral Tablet: Long-Acting Endectocide for Lyme Disease Prevention

Lyme Disease Prevention Represents a Significant Unmet Need

Lyme Disease: Over 300k US cases/year

- Bacterial infection carried by ticks
- >30M people in US at risk of exposure
 - ~20M in high incidence geographies
 - Previous vaccine, LYMERix™, with 1.5M doses in first year of sales*
- Valneva/Pfizer vaccine is the only other known program in development
 - VLA15 in Phase 2, is a multi-valent protein targeting OspA of Borrelia
 - 3 dose vs 2 dose regimen being explored, peak immunogenicity expected over several months



A Therapeutic May Be The Most Effective Approach to Lyme Disease Prevention

- TP-05 is the only non-vaccine based therapeutic in development that would work by eradicating ticks
 - Based on sustained PK levels in the blood, a more predictable approach compared to immunogenicity
 - Potential for >95% reduction in Lyme risk
 - Kills 70% of ticks within 4 hrs, 99% @ 8 hrs
 - Potential to prevent bacterial transmission (24-72 hrs)
 - Human model for tick eradication in development
 - IND, followed by initiation of Phase 1 Safety/PK studies planned for 2021
- Efforts from Lyme development will also inform approach for prevention of malaria



*LYMERix is no longer marketed
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Tarsus Summary

- TP-03 is a novel therapeutic with potential to be the first FDA-approved therapeutic and the standard of care for the treatment of Demodex blepharitis
- Clinical efficacy and safety endpoints consistently achieved across multiple Phase 2 studies
- Phase 2b/3 Saturn-1 **enrollment complete with top line expected in Summer 2021**, followed by initiation of Phase 3 Saturn-2 trial in Q2 2021¹
- Clinical stage pipeline with potential applications to other indications in MGD, rosacea, Lyme disease, and malaria
- Multiple clinical events anticipated in 2021
- Current cash position, along with near-term proceeds from our China TP-03 out-license, provides cash runway **into the first half of 2023**. Expected to be sufficient for TP-03 NDA submission, pipeline advancement, operations growth, and commercial readiness.



¹ Both subject to the impact of the ongoing COVID-19 pandemic

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