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): December 10, 2024

TOURMALINE BIO, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization) 001-40384 (Commission File Number)

83-2377352 (I.R.S. Employer Identification No.)

27 West 24th Street, Suite 702 New York, NY (Address of principal executive offices)

10010 (Zip Code)

Registrant's telephone number, including area code: (646) 481-9832 Not Applicable (Former Name or Former Address, if Changed Since Last Report)

heck the ap	oppropriate box below if the Form 8-K filing is intended to simultaneously satisfy	y the filing obligation of the registrant under any of the fe	ollowing provisions (see General Instruction A.2. below):						
	Written communications pursuant to Rule 425 under the Securities Act (17 C	FR 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))								
ecurities re	ecurities registered pursuant to Section 12(b) of the Act:								
	Trading Name of each exchange Title of each class Symbol on which registered								
	Common Stock, par value \$0.0001 per share	TRML	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 $\ oxtimes$

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 December 10, 2024, Tourmaline Bio, Inc. (the "Company") made available an updated corporate presentation that may be used in connection with presentations at conferences and investor meetings, which can be found on the Company's website (the "Corporate Presentation"). The Corporate Presentation is furnished as Exhibit 99.1 to this Current Report on Form 8-K and incorporated by reference in this Item 7.01.

The information furnished under this Item 7.01, including Exhibit 99.1, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or subject to the liabilities of that section, nor shall it be deemed to be incorporated by reference into any of the Company's filings with the Securities and Exchange Commission under the Exchange Act or the Securities Act of 1933, as amended, whether made before or after the date hereof, regardless of any general incorporation language in such a filing, except as otherwise expressly stated in such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description
99.1	Corporate Presentation dated December 10, 2024
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.

TOURMALINE BIO, INC.

Date: December 10, 2024 By: /s/ Ryan Robinson

Name: Ryan Robinson

Title: Chief Financial Officer and Treasurer

TOURMALINE

Corporate Overview

December 2024

Disclaimer

The material in this presentation regarding Tourmaline Bio, Inc. ("we," "us" or the "Company") is for informational purposes only. This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 that involve substantial risks and uncertainties. All statements, other than statements of historical facts, contained in this presentation, including statements regarding the timing of initiation, progress and results of the Company's current and future preclinical and clinical trials for its product candidates, including pacibekitug (also referred to as TOUR006); the therapeutic potential of pacibekitug; the timing and likelihood of seeking regulatory approval for the Company's product candidates, including pacibekitug; the timing of submitting investigational new drug applications and other regulatory documents; the Company's ability to achieve planned milestones; the competitive landscape for the Company's product candidates; and the Company's estimates regarding expenses, future revenue, capital requirements, cash runway and needs for additional financing. The words "may," "will," "should," "expects," "intends," "plans," "anticipates," "believes," "estimates," "potential," "continue," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. The Company may not actually achieve the plans, intentions, or expectations disclosed in these forward-looking statements, and you should not place undue reliance on these forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in these forward-looking statements. Many factors may cause differences between current expectations and actual results, including, but not limited to, unexpected fine gist factors in the Company's most recent filings with the Securities and Exchange Commission. The forward-looking statements included in this presentation

In addition, certain information contained in this presentation relates to or is based on studies, publications, surveys and other data obtained from third-party sources and the Company's own internal estimates and research. While the Company believes these third-party sources to be reliable as of the date of this presentation, it has not independently verified, and makes 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.

This presentation contains trademarks, services marks, trade names and copyrights of the Company and other companies, which are the property of their respective owners. The use or display of thirid parties' trademarks, service marks, trade name or products in this presentation is not intended to, and does not, imply a relationship with the Company, or an endorsement of sponsorship by the Company. Solely for convenience, the trademarks, service marks and trade names referred to in this presentation may appear without the ®, TM or SM symbols, but such references are not intended to indicate, in any way, that the Company will not assert, to the fullest extent under applicable law, their rights or the right of the applicable licensor to these trademarks, service marks and trade name.

Our mission

We are driven by our mission to develop transformative medicines that dramatically improve the lives of patients with life-altering immune and inflammatory diseases



Experienced leadership team

Management Team



Sandeep Kulkarni, MD Co-Founder and Chief Executive Officer



Ryan Robinson, CPA Chief Financial Officer



Brad Middlekauff, JD Chief Business Officer and General Counsel



Susan Dana Jones, PhD Chief Technology Officer





Kevin Johnson, PhD Chief Regulatory Officer



Emil deGoma, MD Senior Vice President, Medical Research



Gerhard Hagn Senior Vice President, Head of Commercial & BD



Don Fitch



Senior Vice President, Head of Quality

Board of Directors

Clay Siegall, PhD Chairman

Caley Castelein, MD

Aaron Kantoff

Mark McDade

Sapna Srivastava, PhD

Parvinder Thiara

Sandeep Kulkarni, MD

Key highlights



An IL-6 renaissance is underway: new insights emerging about a broad range of indications where IL-6 may be clinically validated



Pacibekitug (also referred to as TOUR006) has demonstrated best-in class potential: long-acting, low immunogenicity, and low-volume subcutaneous administration observed in clinical trials to date



Two paths to significant value creation: (1) cardiovascular inflammation and (2) thyroid eye disease



A late-stage clinical company: Phase 2 TRANQUILITY trial in CV and pivotal Phase 2b spiriTED trial in TED ongoing



Two potentially transformative data readouts expected in 2025: Topline data from TRANQUILITY trial expected in Q2 2025 and topline data from spiriTED trial expected in H2 2025



Well-financed: cash expected to fund operations into 2027, enabling the delivery of key anticipated milestones for both paths

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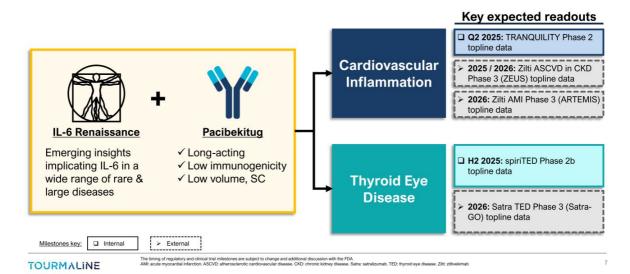
Pacibekitug: a long-acting anti-IL-6 monoclonal antibody with best-in-class potential



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Access as Cinical trials in healthy volunteers and RA, SLE, and CD patients. "Data on files, single intravenous 1 florg does in Phil 1MD study in RA, patients, as measured by C-reactive protein (CRP), a pharmacodynamic marker of L. 4 significant protein protein

Two paths to unlock major value creation



Clinical development plan for pacibekitug

Disease Focus	Indication	Preclinical	Phase 1	Phase 2	Phase 3	Expected key milestones
Cardiovascular	Atherosclerotic Cardiovascular Disease (ASCVD)					TRANQUILITY Phase 2 topline data expected in Q2 2025
inflammation	Abdominal aortic aneurysm (AAA)					Phase 2 PoC trial initiation expected after TRANQUILITY topline data
Autoimmune disease	Thyroid Eye Disease (TED)					spirited Phase 2b topline data expected in H2 2025

Note: Hatched bars represent trials that have not yet commenced. The timing of regulatory submissions and clinical trial milestones are subject to change and additional discussion with the FDA.

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Cardiovascular Inflammation

Reducing inflammation: the next frontier in CV diseases



Increasing validation for IL-6 driven inflammation as a critical and modifiable risk factor driving residual cardiovascular risk



Potential of IL-6 inhibition spans a broad range of cardiovascular indications, affecting tens of millions of patients globally



Converging lines of human evidence across multiple settings support the transformative potential of IL-6 inhibition



IL-6 inhibition is being evaluated in multiple cardiovascular outcomes trials with external readouts expected over the next 12 to 24 months



Pacibekitug's potentially best-in-class profile, including quarterly SC administration, is being evaluated in the Phase 2 TRANQUILITY trial – over-enrollment completed, topline data expected in Q2 2025

World-class Cardiovascular Scientific Advisory Board providing insight on our development strategy for pacibekitug



Deepak L. Bhatt, MD, MPH, MBA SAB Chair Mount Sinai Fuster Heart Hospital



Joshua A. Beckman, MD, MSc University of Texas Southwestern



Marc P. Bonaca, MD, MPH University of Colorado CPC Clinical Research



Robin Choudhury, MA, DM University of Oxford



Dipender Gill, MD, PhD Sequoia Genetics



Douglas L. Mann, MD Washington University School of Medicine



James Min, MI



Pradeep Natarajan, MD, MMSC Massachusetts General Hospital Harvard Medical School



Michael D. Shapiro, DO, MCR Wake Forest University

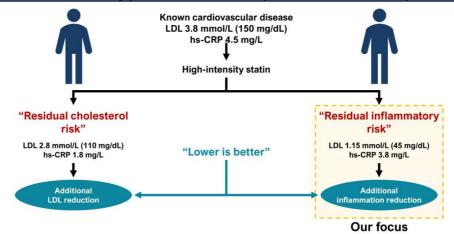


Michael Szarek, PhD University of Colorado CPC Clinical Research

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Many CV disease patients have residual inflammatory risk

Differential secondary prevention treatment options for statin-treated patients¹



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¹Adapted from Ridker, Eur Heart J (2016).

Research increasingly highlights inflammation as a driver of CV risk and supports therapeutic potential of IL-6 inhibition



Genetically Downregulated Interleukin-6 Signaling Is Associated With a Favorable Cardiometabolic Profile A Phenome-Wide Association Study

Association of Interleukin 6 Receptor Variant With Cardiovascular Disease Effects of Interleukin 6 Receptor Blocking Therapy A Phenome-Wide Association Study

RESEARCH LETTER

A Missense Variant in the IL-6 Receptor and Protection From Peripheral Artery Disease

Interleukin-6 in Patients With Heart Failure and Preserved **Ejection Fraction**

Genetically Proxied IL-6 Receptor Inhibition and Coronary Artery Disease

Sizheng Steven Zhao 1,4, Dipender Gill 2

Circulating Interleukin-6 Levels and Incident Ischemic Stroke

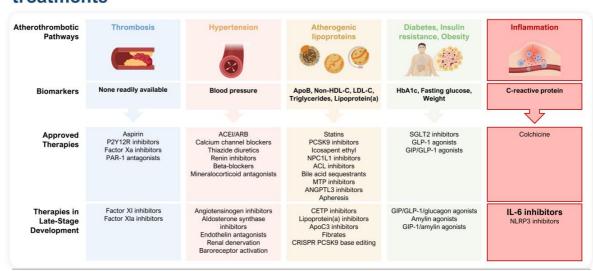
Quantifying inflammation using interleukin-6 for improved phenotyping and risk stratification in acute heart failure

Eleni Michou ¹⁶, Desirce Wussler^{1,2}, Maria Belkin¹, Cernelia Simmen¹, Ivo Strebel¹, Albina Nowak³, Nikola Kozhuharov¹, Samyut Shresthal Pedro Lopez-Agala¹, Zald Sabri, Constantin Mori, Matthias Diebold¹, Tiffany Pequignot¹, Katharina Rentsch³, Amold von Eckardstein⁴, Danielle M. Gualandov¹, Tolias Berdidhard^{1,2}, and Christian Hueller¹

Elevated Interleukin-6 Levels Are Associated With an Increased Risk of QTc Interval Prolongation in a Large Cohort of US Veterans

Associations of genetically predicted IL-6 signaling with cardiovascular disease risk across population subgroups

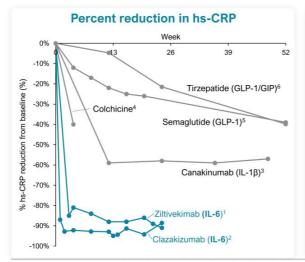
Cardiovascular inflammation largely unaddressed by existing treatments

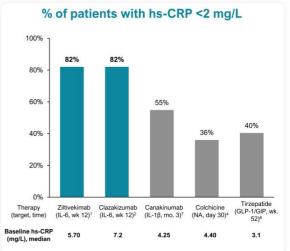


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List of therapies not exhaustive. ACE: angiotensin-converting enzyme inhibitor. ACL: adenosine triphosphate-citrate lyase. ANGPTL3: angiopoletin-like protein 3. Apo8: apolipoprotein B. ApoC3: apolipoprotein CBSPE: clustered regularly interspaced short poliinformic repeats. GIP-gastric inhibitory polypeptide. GIP-1: glucagon-like peptide-1. IL-6: Interleukin-6. MTP: microsomal trighyceride transfer protein N.BP3: nucleotide-binding domain, laucine-rich-containing family, pyrin domain-containing-3. NPC1L1: Niemann-Pick C1-Like 1. PAR: protease-activated receptors. PCSR: proprotein conventates abbilliarly keep to purinergic 2Y type 12 receptor. SGLT2: additum-glucose cotransporter 2.

IL-6 inhibition has produced rapid and robust hs-CRP reductions in patients with established or at high-risk of CVD



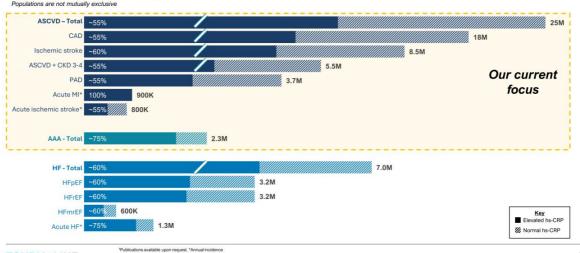


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RESCUE: Risker et al., Lancet (2021). Zilhveinmb: 15mg dev arm. "Chertow et al., Nat Med (2024). Clazakizundo 5mg dev arm. "CANTOS: Risker et al., N Eng. J Med (2017). 150mg@n arm. "Fiolet et al., PLOS ONE (2020). Colchicines 3.0mg 00. "SELECT PLYTERY et al., L. SEC (1977). Time course varieties de 2.0mg of 10mg of 1

IL-6 inhibition has the potential to address millions of patients across a wide range of inflammation mediated CV conditions

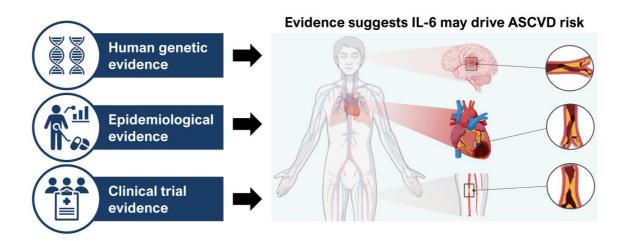




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Publications available upon request. *Annual incidence AAA: abdomail sorts energy an ACOV2, there represents conditionate control and a series of the serie

Convergence of human evidence supports therapeutic potential of IL-6 inhibition for ASCVD



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ASCVD: atherosclerotic cardiovascular disea

Human genetic studies provide initial support for IL-6 pathway inhibition to lower ASCVD risk



Concordance between results of human genetic studies and randomized clinical trials

Therapeutic target	Genetic Result	RCT Result
Lowering LDL-C to lower ASCVD risk ^{1,2}	Positive	Positive
Inhibiting IL-6 to treat polymyalgia rheumatica ^{3,4}	Positive	Positive
Lowering blood pressure to lower ASCVD risk ^{5,6}	Positive	Positive
Raising HDL-C to lower ASCVD risk ^{7,8}	Negative	Negative
Inhibiting LpPLA2 to lower ASCVD risk ^{9,10}	Negative	Negative
Inhibiting TNFα to treat multiple sclerosis ^{11,12}	Negative (harm)	Negative (harm)
Inhibiting IL-6 to lower ASCVD risk13-17	Positive	Trials Ongoing

"Probability of success for drug mechanisms with genetic support is 2.6 times greater than those without." 18

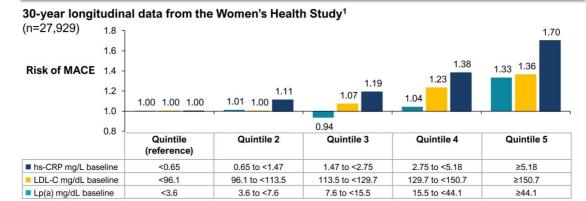
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Ference et al., J. Am. Col. Cardol, (2012). "Casula et al., Pharm. Res. (2019). "Zhao et al., Ann Rheum Da (2022). "Spiere et al. al. Kingl Medi (2023). "Mon et al., Hypertension (2021). "The Blood Pressure Lowering Treatment Trialsts' Collaboration, Lancet (2012). "Mong et al., Reviere et al., SML (2014). "Region et al., Eur. J. ("Ferse et al., Archit Med Sci. (2021). "Region et al., Eur. J. ("Ferse et al., Archit Med Sci. (2021). "Region et al., Eur. J. ("Ferse et al., Archit Med Sci. (2021). "Region et al., Eur. J. ("Region et al., Eur. J. ("Ferse et al., Archit Med Sci. (2021). "Region et al., Eur. J. ("Region et al., Eur. J. ("Region

Emerging evidence suggests that hs-CRP is more strongly associated with MACE than both LDL and Lp(a)



Late breaking data presented at European Society of Cardiology 2024 Congress and simultaneously published in the New England Journal of Medicine

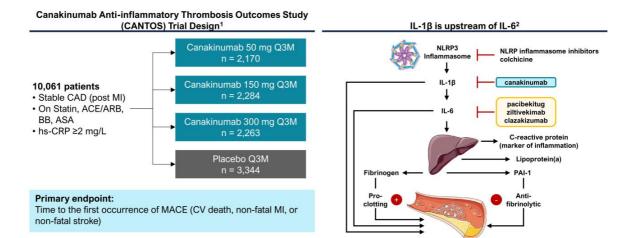


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"Women's Health Study, MACE: CV death, Mt, stroke, coronary revascularization. Increased risk defined as 1-relative risk, compared to lowest quintile of Lp(a) and hs-CRP population, adjusted for age, initial randomization treatment group smoking (current, past, never), presence of diabetes, and Franlingham blood pressure categories. Table 2. Ridser et al., NE.Mt (2024).

Landmark CANTOS study validated therapeutic potential of addressing inflammation in ASCVD



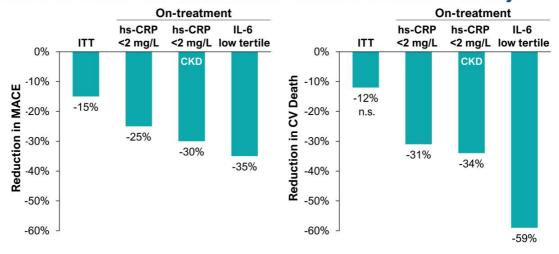


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Ridker et al., N. Engl. J. Med. (2017). Adapted from Ridker et al., Circ. Res. (2016), Arnold et al., Eur. J. Cardiol. (2021) and Muller et al., J Lipid Res (2015)

Lessons from canakinumab (anti-IL-1β mAb): "Lower is better" for downstream biomarkers of IL-6 activity



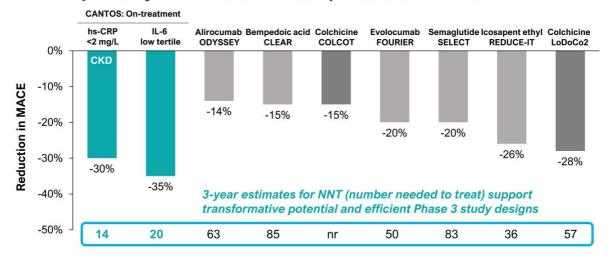


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Justicin in MACE shown as 1-Hazard Ratio. IT it intent to treat. MMCE: major adverse cardiovascular events including OV death, mycardial infection MII), stroke, n.s. not statistically significant. ITT CANTOS analysis presents data for 150mg segrour; values for CANTOS subanalyses combine all doses (50, 150, 300 mg), Rother et al., NEJM (2017). Ridder et al., Lancet (2018), Adjusted for age, gender, smoking, hypertension, diabetes, BMI, baseline to L.G. External LDL-C. later (12018). Adjusted for age, gender, smoking, hypertension, diabetes, BMI, baseline to L.G. External LDL-C. Ridder et al., Lancet (2018). Adjusted for age, gender, smoking, hypertension, diabetes, BMI, baseline to L.G. External LDL-C. Ridder et al., Lancet (2018).

Lessons from canakinumab (anti-IL-1β mAb): Robust inhibition of IL-6 pathway has transformative potential in ASCVD



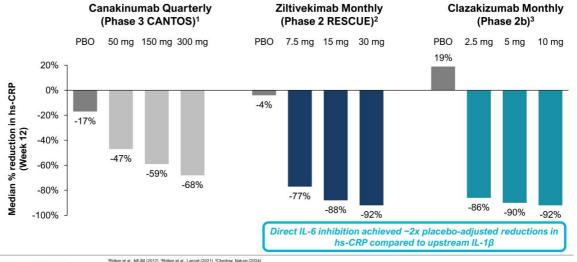


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Reduction in MACE shown as 1-Hazer Ratio, MACE major adverse cardiovascular events including CV death, imporated inferction (Mi), storles excelled a restly, LOSCAC (CV death, Mil., schortes) storles; CALCOT (EV death, MI., storles) storles excelled a restly, LOSCAC (CV death, Mil., schortes) storles; cardiovascular events and storles excelled a restly, LOSCAC (CV death, Mil., schortes) critical restly, and consider a restly, LOSCAC (CV death, Mil., schortes) critical restly, and considerated a restly schorted a restly schorted a restly schorted and restly scho

In independent studies, direct IL-6 inhibition lowered hs-CRP more than upstream IL-1β blockade





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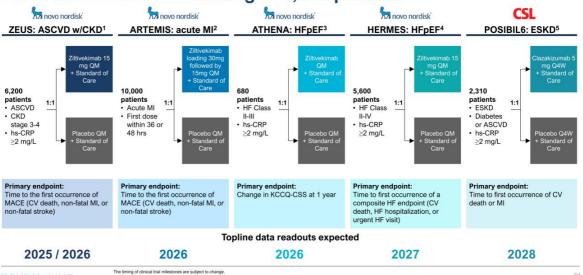
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Five Phase 3 CVOTs enrolling >24,000 patients



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imming or annical trial misessories are subject to change; DVD atherosclerior acrovisscular disease. CKD: chronic kidney disease. CVOT: cardiovascular outcome trial. ESKD: End Stage Kidney Disease. HFpEF: heart failure with preserved ejection fraction. MACE: major adverse cardiovascular nt. Mit. myocardial infarction.

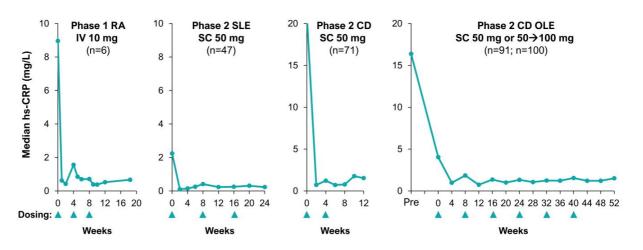
Pacibekitug designed to offer best-in-class potential profile in cardiovascular diseases

	Pacibekitug	Ziltivekimab	Clazakizumab	
Company	TOURMALINE	novo nordisk	CSL	
Monoclonal antibody	fully human (IgG2)	fully human (IgG1k, YTE mutation)	humanized rabbit (lgG1k)	
Anti-drug antibodies ¹	0-1%	6-13% ^{3,4}	0-10%7-9	
Route of administration ²	ite of administration ² SC 0.6 mL		IV ¹⁰	
Longest dosing intervals in completed studies	Q8W (SLE, CD)	Q4W (NDD-CKD) ^{5,6}	Q4W ¹⁰ (HD-CKD)	
Targeted dosing intervals	Quarterly	Monthly	Monthly	

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CD: Combris disease, CPC chronic kidney disease, HD: hemodalysis, NDC non-dalysis dependent, SLE systemic luguas enthematosus. "Incidence of ADAs in repast-dose studies calculated as reported per dosing arm." Route of administration in planed or organizations in planed in patients with or a high-insic Aris SCOP, "Chicicarisia spox NCT0149950.1" "Alegade et al., Lacred (2012). "Wisde et al., Lacred (2012). "Wisde et al., Lacred (2012)." Wisde et al., La

Pacibekitug achieved robust and durable suppression of CRP in patients with high-grade inflammatory autoimmune disorders

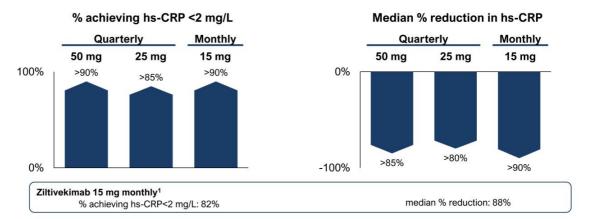


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CD. Crohm's disease, OLE: open-label extension, RA: rheumatoid arthritis, SLE: systemic lugus erythematosus. Rheumatoid arthritis: 80151002 study report. Table 14.4.7.1.1. Median baseline CRP 9.0 mg/L. Key eligibility; active disease, background methodrosade. Crohm's disease. 80151003 study report. Table 14.2.4.1.3. Median baseline In-CRP 21.1 mg/L. Key eligibility; active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragility active disease, failed intolerant to anti-TNFs. CD OLE 80151005 study report. Table 14.2.4.1. Median pre-besiere in-CRP 9.0 mg/L. fragili

PK/PD modeling supports potential for quarterly dosing of pacibekitug SC in ASCVD

Results of PK/PD model developed from five studies in patients with RA, SLE, CD and healthy volunteers



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SCVD. attended cardiovascular disease. PA: Inhumatiod affinitis, SLE: systemic lapse enghematious, CD: Crothris disease. The PR and PRPO) models for pacibellug were developed based on the data from 5 directal studies (two

TRANQUILITY Phase 2 trial supporting development in ASCVD

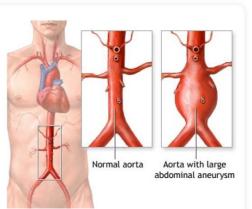


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ASCVD: atherosclerotic cardiovascular disease. CKD: chronic kidney disease. eGFR: estimated glomerular filtration rate. hs-CRP: high-sensitivity C-reactive protein. UPCR: urine protein-creatinine ratio.

Abdominal aortic aneurysm: a high-mortality, first-in-disease opportunity for pacibekitug

- High-risk vascular disease with significant unmet need in approximately 2M people in US¹
- Strong strategic fit with ASCVD due to overlapping prescribers
- Progressive disease with increasing risk of rupture, usually a fatal event²
- In less than 5 years, majority of medium-sized AAA grow to threshold for surgical repair^{3,4}
- Surgical repair, recommended for large AAA to prevent rupture, is associated with complications⁵⁻⁹

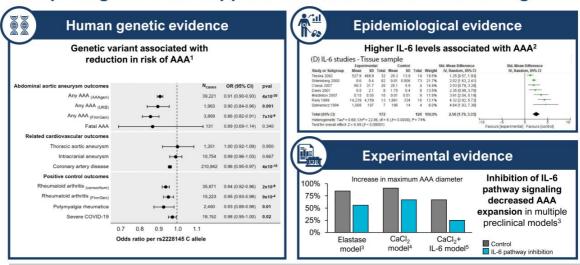


No FDA approved treatment

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Stuntz, Cardiology (2016). 'Golledge et al., Eur Heart J (2023). *UKSAT, NEJM (2002). *Loderie et al., NEJM (2002). *Chalkof et al., J Vasc Surg (2018). *Isselbacher et al., Circulation (2022). 'Schermerhorn et al., NEJM (2008). *Vei et al. JAMA Netw Open (2022). *Clinione et al., Circ Cardiovasc Cual Outcomes (2024). *Figure from https://mediire.plus.gov/ency/article/2001/62.htm.

Compelling evidence supports IL-6 inhibition to slow AAA growth



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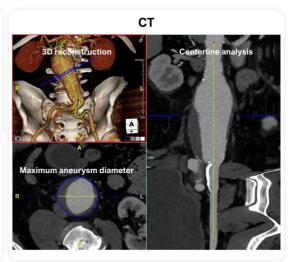
Burgess et al., ATVB 2024. "Thanigaimani et al., Biomedicine (2022). "Koliçe et al., Altherosclerosis (2016). Results at day 14. "Nishihara et al., PLoS One (2017). Results at day 42. "Patel et al., Vasc Endovascular Surg (2023). Results at day 21. AAA: abdominal aortic aneurysm.

Phase 2 PoC study expected to use imaging to evaluate the ability of pacibekitug to inhibit AAA growth

- · Serial imaging is the foundation of clinical care1
- Phase 2 PoC expected to use multimodality imaging to efficiently characterize pacibekitug

Next steps:

- TRANQUILITY topline data in Q2 2025
- Alignment with FDA on Phase 2 PoC design
- Details to be shared prior to study start



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Chaikof et al., J Vasc Surg (2018). Isselbacher et al., Circulation (2022). Figure adapted from Perry et al., Ann Vasc Surg (2022). AAA: abdominal aortic aneurysm. PoC: proof of concept.



TED: our beachhead indication designed to validate pacibekitug's potential in autoantibody-driven diseases

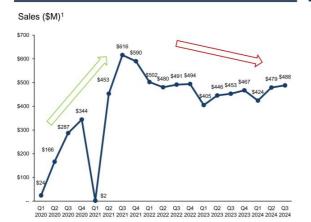
- High unmet medical need with significant market opportunity
 - · TED patients experience significant disease burden driven by inflammation, proptosis, double-vision, and pain
 - ~30k new patients each year in the U.S. (average age at diagnosis is ~45)^{1,2}
 - ~80%³ of moderate-to-severe TED patients not receiving an FDA-approved treatment, which we believe may be related
 to significant limitations such as risk of permanent hearing impairment / loss:
 - Vast majority of US treaters report unmet need across all aspects of treatment (efficacy, safety, administration)⁴
- Extensive third-party clinical support that IL-6 inhibition may address key unmet needs
 - 50+ publications with 350+ patients demonstrate the therapeutic potential of IL-6 pathway inhibition in TED
 - · IL-6 may play a more central and upstream role in TED pathogenesis than IGF-1R or FcRn
 - Many TED treaters already routinely utilize IL-6 inhibition in their practice⁴
- Pacibekitug has best-in-disease potential in TED
 - · Deep inhibition of IL-6 pathway observed to date offers potential for durable efficacy across many endpoints
 - · Existing clinical database supports the potential for a well-tolerated profile at selected doses
 - · Q8W dosing would allow for a patient-friendly, low burden treatment course

Lazarus, Best Pract. Res. Clin. Endocrinol. Metab. (2012). Bartalena et al., Front. Endocrinol. (2020). Horizon Q3 2022 earnings call. Tourmaline market research.

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IGF-1R class limitations present a significant opportunity for novel therapeutic approaches in TED

TEPEZZA U.S. revenues have been stagnating since 2021...



...believed to be due to real-world experience

1. Safety issues: Risk of potentially permanent hearing loss²

-----WARNINGS AND PRECAUTIONS-

- Hearing Impairment Including Hearing Loss: TEPEZZA may cause severe hearing impairment including hearing loss, which in some cases may be permanent. Assess patients' hearing before, during, and after treatment with TEPEZZA and consider the benefit-risk of treatment with patients
- 2. Limited durability: Growing real-world effectiveness data reveals larger than anticipated number of non-responders / high relapse rate^{3,4}
- High level of inconvenience & complexity:
 IV Q3W (n=8)² but limited access to infusion centers⁵
 - Numerous visits and high time commitment (HCPs and patients)⁵

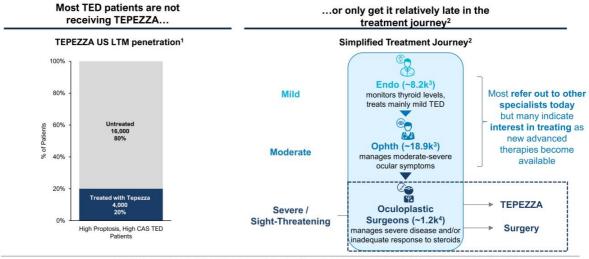
 - Need for serial audiograms, as yet races.

 Burdensome reimbursement approval process⁷

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Horizon and Amgen company reports and filings, "TEPEZZA FDA label. "Kahaly et al., Thyroid (2021) (ATA 2021 presentation), "Rosenblatt et al., Ophthalmic Plast Reconstr Surg (2023), "Tourmaline market research." Chow and Sikiss, BMJ Case Rep (2022), "Horizon Therapeutics Public List Co. Q2 2023 Form 10-Q.

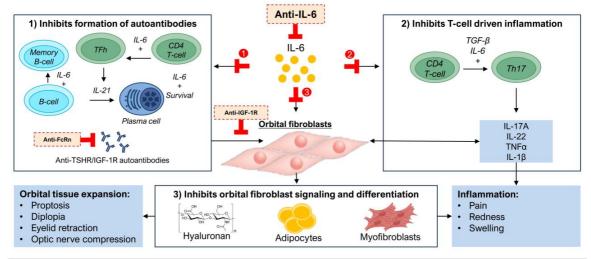
Despite an FDA-approved medicine, the vast majority of moderate-to-severe TED patients remain untreated



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1Horizon Q3 2022 earnings call; LTM = last twelve months. *Tourmaline market research; endo = endocrinologist; ophth = ophthalmologist. 3AAMC 2022 Physician Specialty Data Report. *Hussey and Tao, Orbit (202

IL-6 inhibition has the potential to address a central and upstream driver of TED



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Adapted from Huang et al., Eye (2018); Hodgson and Rajaii, Ophthalmol Ther (2020); Fang et al, Front Endocrinol (2021); Smith et al., Eye (2019); and Cabezas et al., Front. Immunol. (2022)

Over 50 publications support the therapeutic potential of IL-6 pathway inhibition in TED

Study	Detail	s			ey Endpoin	ts	Study Details		Key Endpoints				
First author	Year	Study	N treated	Proptosis response rate	CAS	% autoantibody reduction	First author	Year	Study type	N treated	Proptosis response rate	CAS response rate	% autoantibody reduction
Pérez-Moreiras	2021	Retro	54	78	89		Copperman	2019	CS	2	100	rate (
Perez-moreiras Sánchez-Bilbao					NF		ECC. 540 CO.	2019	CS	2	0.000	50	
Sancnez-Bilbao Atienza-Mateo	2020	Obs Retro	48	NR NR	NF NF		Coy Sierra Osorio	2019	CS	2	100	100	
	100000		29				Park		CS		100		
Lee	2024	Prosp	19	11	47			2021	CS	2		100	
Pérez-Moreiras	2014	Prosp	18	72	100		Abeillon-du Payrat	2022	CR	2	100	50	
Pérez-Moreiras	2018	RCT	15	93	60		Butnaru	2013		1	NR	100	
de la Fuente Bursón	2020	Retro	15	NR	NF		Gómez Rodríguez	2014	CR	1	NR	100	
Pereira	2023	Retro	14	NR	NF		Bielefeld	2017	CR	1	CI	NF	
Habroosh	2024	Prosp	13	100	31		Canas	2018	CR	1	100	NF	
Boutzios	2023	Obs	12	NR	NF		Pascual-Camps	2018	CR	1	NR	NF	
Pampín-Sánchez	2022	Retro	-11	75	73		Garreta Fontelles	2019	CR	1	NR	NF	
Moi	2022	Retro	10	CI	80		Mehmet	2020	CR	1	0	NF	
Cortez	2022	Prosp	10	10	100		Kaplan	2020	CR	1	NR	(33
Silkiss	2020	CS	9	CI	56	74	Cayon-Blanco	2020	CR	1	NR	100	
Smith	2021	Retro	9	78	100	54	Tran	2020	CS	1	NR	NF	
Bielefeld	2019	Obs	8	NR	NF	NR	Ruiz	2021	CR	1	NR	NF	
Ceballos-Marcias Jose	2020	CS	8	NR	75	41	Albrashdi	2022	CR	1	100	NF	
Bennedjai	2020	Retro	7	NR	NF	73	Cezara	2022	CR	1	NR	(N N
Moás	2022	Obs	7	NR	NF	92	Mohamed	2022	CS	1	0	() N
Toro-Tobon	2023	Retro	6	50	NF	NR	Moleiro	2022	CR	1	100	NF	٤ ٤
de Pablo Gomez	2018	CS	5	NR	60	NR	Almazrouei	2023	CR	1	NR	NF	. N
Navarrete	2022	Retro	5	NR	NF	NR	Cuculescu	2023	CR	1	CI	() N
Ribi	2017	CS	3	33	67	NR	Nirmalan	2023	CS	1	NR	NF	l N
Maldinev	2020	CS	3	67	NF	NR	Pramono	2023	CR	1	NR	NF	l N
Stevens	2022	Retro	3	100	67		Rymuza	2024	CR	1	100	()
Russell	2017	CS	2	NR	(2000	On On	2000	. 35	
Sy	2017	CS	2		50			Weigl	hted Mea	n	68%	72%	71
							Smith 20	17 (tepr	o Phase 2	2)	71%	69%	N/
							Douglas 20:	20 (tepr	o Phase	3)	83%	59%	N/

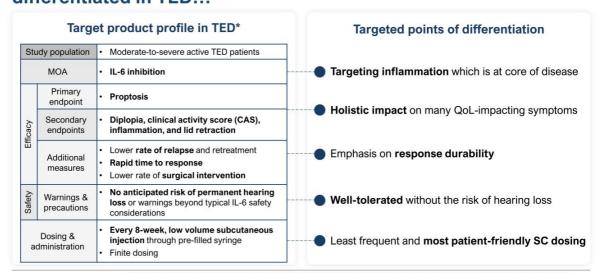
We believe many of these reports may underestimate the true efficacy of IL-6 inhibition

- 350+ mostly steroidrefractory patients
- Late IL-6 inhibition (>9 months post symptom onset) when disease may have exited active phase
- Exposure to IL-6 inhibition may have been suboptimal (<6 months)
- Tourmaline market research with over 100 TED treaters suggests many HCPs already routinely utilize IL-6 inhibition in their practice

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repotase response rate is generally defined in the data outlined here as a 22 mm proptosis improvement in the worse eye at baseline without any vocement in other eye. CAS response rate is generally defined in the data outlined here as a AS of to r. I. Sulders reterenced in this isolar represent investigated by these studies were not designed with the intent of generating vidence for an approval of toulisands or sariuman in IED. The majority of these studies were not designed with the intent of generating vidence for an approval of toulisands or sariuman in IED. The majority of these studies were not designed this power to detect statistical significance. Refor retrospective. Obs: observational. Prosp: prospective. RCT: randomized controlled rial. CS: case series. CR: case report. NR: not reported. NS: not significant. Ct. clear improvement. Tepro: retrospective. Discreta in the controlled rial. CS: case series. CR: case report. NR: not reported. NS: not significant. Ct. clear improvement. Tepro: retrospective.

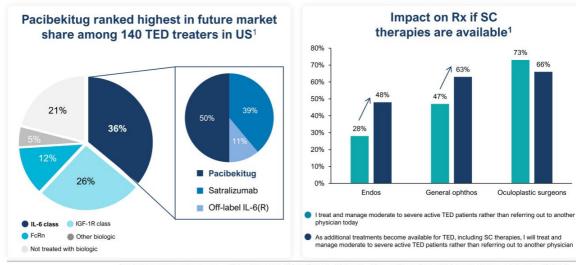
Pacibekitug's target product profile is expected to be well-differentiated in TED...



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This target product profile outlines the desired characteristics of pacheking in TED. It will be informed by clinical data from Phase 2b and Phase 3 and additional evidence generated from other programs including from the real world. The haracteristics presented reflect outcomes that may not be representative of pacheking. The results of past clinical trials may not be indicative of future results, and the results of future or ongoing clinical trials may not demonstrate some or yor the characteristics presented.

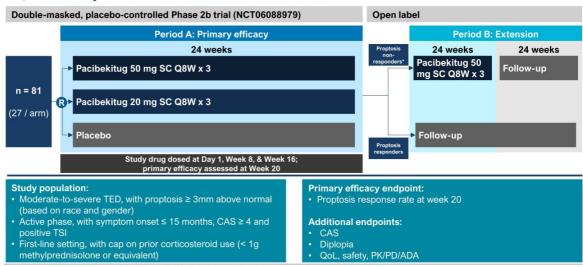
...resulting in leading market share, capitalizing on increasing Rx from endocrinologists and ophthalmologists



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In a masked survey of future potential product entrants - HCP Quant Research with N = 60 General Ophthos, N = 40 Endos and N = 40 Couloplastic Surgeons (February 2024), FcRn: neonatal fragment crystallizable receptor. IGF-1R: insulinities growth factor 1 receptor. IL-R: interleukin-R: Rec prescriptions S.C. subcutaneous. TED: thyroid eye disease.

spiriTED pivotal trial in first-line TED



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Any patient who receives rescue therapy/intervention in Period A will not receive pacibekitug in Period B and will instead undergo follow-up only

Key upcoming milestones

Disease focus	Indication	Milestone	Expected timing
Cardiovascular	ASCVD	TRANQUILITY Phase 2 topline data	Q2 2025
inflammation	AAA	Phase 2 trial start	Post-TRANQUILITY topline data
Autoimmune disease	TED	spiriTED Phase 2b topline data	H2 2025

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A: abdominal aortic aneurysm. ASCVD: atherosclerotic cardiovascular disease. TED: thyroid eye disease