

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

**FORM 8-K**

**CURRENT REPORT  
Pursuant to Section 13 or 15(d)  
of The Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported): June 1, 2024**

**WEREWOLF THERAPEUTICS, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or Other Jurisdiction  
of Incorporation)

**001-40366**  
(Commission  
File Number)

**82-3523180**  
(IRS Employer  
Identification No.)

**200 Talcott Ave, 2nd Floor  
Watertown, Massachusetts**  
(Address of Principal Executive Offices)

**02472**  
(Zip Code)

**Registrant's telephone number, including area code: (617) 952-0555**

(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 (see General Instruction A.2. below):

- 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	HOWL	The Nasdaq Global Select Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

**Item 7.01. Regulation FD Disclosure**

On June 1, 2024, Werewolf Therapeutics, Inc. (the “Company”) issued a press release announcing preliminary clinical data from the Company’s ongoing Phase 1/1b clinical trial evaluating WTX-124, its conditionally activated Interleukin-2 (“IL-2”) INDUKINE™ molecule. A copy of the press release is furnished as Exhibit 99.1 hereto and is incorporated herein by reference.

On June 3, 2024, the Company made available a presentation to be used with investors to discuss the clinical data from the Company’s Phase 1/1b clinical trial of WTX-124. A copy of the presentation is furnished as Exhibit 99.2 hereto and is incorporated herein by reference.

The information furnished under this Item 7.01, including Exhibit 99.1 and Exhibit 99.2, shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

**Item 8.01. Other Events.**

*New Preliminary Data from Phase 1/1b Clinical Trial of WTX-124*

On June 1, 2024, the Company announced new preliminary clinical data from the Company’s Phase 1/1b clinical trial evaluating WTX-124 in patients with locally advanced or metastatic solid tumors after checkpoint inhibitor therapy. The data was presented on June 1, 2024, in a poster session at the 2024 American Society of Clinical Oncology (“ASCO”) Annual Meeting.

The ongoing Phase 1/1b clinical trial is evaluating WTX-124 as a monotherapy and in combination with pembrolizumab in patients with immunotherapy sensitive advanced or metastatic solid tumors who have failed standard of care treatment, including checkpoint inhibitor therapy. The presentation at ASCO captured data as of a May 1, 2024 cutoff date from 47 heavily pretreated patients: 35 patients treated with at least one monotherapy dose of WTX-124, ranging from 1 mg to 28 mg; 12 patients treated with WTX-124 at doses ranging from 3 mg to 12 mg in combination with pembrolizumab.

Data as of the May 1, 2024, cutoff date are summarized as follows:

- WTX-124 as a monotherapy produced three objective clinical responses including one durable confirmed complete response and two partial responses in patients who are relapsed/refractory to immune checkpoint inhibitor therapy.
- Responding patients had 100% regression of target lesions with responses occurring within the first two cycles of therapy and showing durability at the recommended dose for expansion (“RDE”).
- Related treatment emergent adverse events were primarily mild to moderate in severity, manageable and reversible; no new safety signals were identified when WTX-124 was combined with pembrolizumab.
- Analysis of paired tumor biopsies by NanoString suggests that WTX-124 robustly activated/expanded effector T cells preferentially over regulatory T cells.
- Increased T cell activation signature for the combination suggests a potential for improved antitumor activity by combining WTX-124 with pembrolizumab.
- WTX-124 was clinically active and generally well tolerated in patients, not all of whom would be eligible for treatment with approved high-dose IL-2 therapies based on age, indication or other factors.

Based on these results, the Company has selected a WTX-124 monotherapy dose of 18 mg administered intravenously every two weeks, as the RDE to progress into the Phase 1b dose-expansion portion of the trial. The Company has thus far opened three expansion arms in advanced or metastatic renal cell carcinoma, cutaneous melanoma and cutaneous squamous cell carcinoma. The Company targets preliminary data from these expansion arms in the fourth quarter of 2024 or the first quarter of 2025. The Company also continues to dose-escalate WTX-124 in combination with pembrolizumab and expects to select an RDE to open the combination dose-expansion portion of the study in the third

quarter of 2024. In parallel, the Company also plans to engage regulators to discuss potential registrational pathways for WTX-124, including strategies for monotherapy accelerated approval in immune-checkpoint inhibitor relapsed/refractory indications.

In addition, on June 3, 2024, the Company announced that in the interval between the May 1, 2024 data cut-off for the ASCO data and June 3, 2024, it has observed in preliminary data clinical activity in two melanoma patients at the 12 mg combination dose level, one partial response and one near partial response (-29% target lesion reduction).

#### **Item 9.01. Financial Statements and Exhibits.**

(d) Exhibits

<b>Exhibit No.</b>	<b>Description</b>
99.1	<a href="#">Press Release, dated June 1, 2024.</a>
99.2	<a href="#">Investor Presentation, dated June 3, 2024.</a>
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

#### **Cautionary Note Regarding Forward-Looking Statements**

Any statements in this Current Report on Form 8-K about the Company's future expectations, plans and prospects, as well as any other statements regarding matters that are not historical facts, may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements are subject to substantial risks and uncertainties and actual results may differ materially from those expressed or implied by such forward-looking statements. Such statements include statements regarding the Company's strategy, future operations, prospects, plans, objectives of management, the expected timeline regarding the clinical development of product candidates, including the announcement of data, the potential activity and efficacy of product candidates in preclinical studies and clinical trials, and the timing and outcome of planned meetings with regulatory authorities. The words "aim," "anticipate," "approach," "believe," "contemplate," "continue," "could," "design," "designed to," "engineered," "estimate," "expect," "goal," "intend," "may," "might," "objective," "ongoing," "plan," "potential," "predict," "project," "promise," "should," "target," "will," or "would," or the negative of these terms, or other comparable terminology 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 as a result of various important factors, including: uncertainties inherent in the development of product candidates, including the conduct of research activities, the initiation and completion of preclinical studies and clinical trials; uncertainties as to the availability and timing of results from preclinical studies and clinical trials; the timing of and the Company's ability to submit and obtain regulatory approval for investigational new drug applications; whether results from preclinical studies will be predictive of the results of later preclinical studies and clinical trials; whether interim or preliminary data from a clinical trial will be predictive of the results of the trial and future clinical trials; the Company's ability to obtain sufficient cash resources to fund the Company's foreseeable and unforeseeable operating expenses and capital expenditure requirements; as well as the risks and uncertainties identified in the "Risk Factors" section of the Company's most recent Form 10-Q filed with the Securities and Exchange Commission ("SEC"), and in subsequent filings the Company may make with the SEC. In addition, the forward-looking statements included in this Current Report on Form 8-K represent the Company's views as of the date of this Current Report on Form 8-K. The Company anticipates that subsequent events and developments will cause its views to change. However, while the Company may elect to update these forward-looking statements at some point in the future, it specifically disclaims any obligation to do so. These forward-looking statements should not be relied upon as representing the Company's views as of any date subsequent to the date of this Current Report on Form 8-K.

**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.

**WEREWOLF THERAPEUTICS, INC.**

By:

/s/ Timothy W. Trost

Timothy W. Trost

Chief Financial Officer and Treasurer

Date: June 3, 2024





**Werewolf Therapeutics to Present Data from Ongoing Phase 1/1b Clinical Trial of WTX-124 as Monotherapy and in Combination with Pembrolizumab in Solid Tumors**

- *WTX-124 was shown to be clinically active and generally well-tolerated in patients who were relapsed/refractory to immune checkpoint inhibitor therapy -*
- *Encouraging single agent clinical activity with three objective responses, including a durable confirmed complete response -*
- *Monotherapy recommended dose for expansion selected and expansion arms open for enrollment -*
- *Preliminary data on WTX-124 administered to patients in combination with pembrolizumab showed that the combination was generally well-tolerated with enhanced immune activation in tumors -*
- *Company to host webcast to review these data on Monday, June 3, 2024, at 8:00 am ET -*

WATERTOWN, Mass., June 01, 2024 (GLOBE NEWSWIRE) — Werewolf Therapeutics, Inc. (the “Company” or “Werewolf”) (Nasdaq: HOWL), an innovative biopharmaceutical company pioneering the development of conditionally activated therapeutics engineered to stimulate the body’s immune system for the treatment of cancer, today announced new clinical data from the Phase 1/1b trial evaluating WTX-124, its conditionally activated Interleukin-2 (IL-2) INDUKINE™ molecule, in patients with locally advanced or metastatic solid tumors after checkpoint inhibitor therapy. The data will be presented today, on June 1, 2024, in a poster session at the 2024 American Society of Clinical Oncology (ASCO) Annual Meeting in Chicago, Illinois, and in a webcast on June 3, 2024.

“Approved high-dose IL-2 (HD IL-2) has been known to be effective in creating durable responses for some patients, however the toxicity of the drug has meant that many patients are not eligible for the treatment,” said Justin Moser, M.D., WTX-124 study investigator and Associate Clinical Investigator, HonorHealth Research Institute, Scottsdale, AZ. “The emerging data from the Phase 1/1b clinical trial of WTX-124 suggest that we may potentially achieve durable objective responses with a favorable safety profile for patients in the outpatient setting, some of whom would not have been candidates for HD IL-2.”

“We are pleased to share these findings from our ongoing Phase 1/1b clinical trial of WTX-124 that build on the promise of our INDUKINE hypothesis that potent cytokine-based immunotherapies could address difficult-to-treat tumors while minimizing toxicities typical of IL-2 therapy,” added Randi Isaacs, M.D., Chief Medical Officer. “We have selected our recommended dose for expansion (RDE) and opened three monotherapy expansion arms in more homogenous and less heavily pre-treated populations to better assess clinical activity in each while we continue to explore additional doses in dose escalation. In addition, the combination of WTX-124 with pembrolizumab was generally well-tolerated, which alongside compelling biomarker activity, suggests the potential for combination efficacy. Altogether, these results reinforce our conviction in WTX-124 as a potential best-in-class IL-2 therapy, and we look forward to providing additional updates as the program progresses.”

The ongoing Phase 1/1b study is evaluating WTX-124 as a monotherapy and in combination with pembrolizumab in patients with immunotherapy sensitive advanced or metastatic solid tumors who have failed standard of care treatment, including checkpoint inhibitor therapy. The presentation at ASCO captures data from 47 heavily pretreated patients: 35 patients treated with at least one monotherapy dose of WTX-124, ranging from 1 mg to 28 mg; 12 patients treated with WTX-124 at doses ranging from 3 mg to 12 mg in combination with pembrolizumab.

Data as of the May 1, 2024, cutoff date are summarized as follows:

- WTX-124 as a monotherapy produced three objective clinical responses including one durable confirmed complete response (CR) and two partial responses (PRs) in patients who are relapsed/refractory to immune checkpoint inhibitor therapy.
- Responding patients had 100% regression of target lesions with responses occurring within the first two cycles of therapy and showing durability at RDE.
- Related treatment emergent adverse events (TEAEs) were primarily mild to moderate in severity, manageable and reversible; no new safety signals were identified when WTX-124 was combined with pembrolizumab.
- Analysis of paired tumor biopsies by NanoString suggests that WTX-124 robustly activated/expanded effector T cells preferentially over Tregs.
- Increased T cell activation signature for the combination suggests a potential for improved antitumor activity by combining WTX-124 with pembrolizumab.
- WTX-124 was clinically active and generally well tolerated in patients, not all of whom would be eligible for HD IL-2 based on age, indication or other factors.

These findings are summarized in a poster titled, *“A phase 1/1b trial of the IL-2 prodrug WTX-124 in patients with locally advanced or metastatic solid tumors after checkpoint inhibitor therapy: Updated results of the monotherapy dose escalation and initial results of the combination therapy dose escalation with pembrolizumab.”* The poster can be viewed in person from 9:00 am-12:00 pm CT on Saturday, June 1, 2024, on board number 102 and is available on the Company’s website at <https://investors.werewolfx.com/news-and-events/scientific-resources>.

#### **Next Steps for WTX-124 Development**

Based on these results, Werewolf has selected a WTX-124 monotherapy dose of 18 mg administered intravenously every two weeks (IV Q2W), as the RDE to progress into the Phase 1b dose-expansion portion of the trial. The Company has thus far opened three expansion arms in advanced or metastatic renal cell carcinoma, cutaneous melanoma and cutaneous squamous cell carcinoma. Werewolf also continues to dose-escalate WTX-124 in combination with pembrolizumab and expects to select an RDE to open the combination dose-expansion portion of the study in the third quarter of 2024. In parallel, the Company also plans to engage regulators to discuss potential registration pathways for WTX-124, including strategies for monotherapy accelerated approval in immune-checkpoint inhibitor relapsed/refractory indications.

## Webcast Details

Werewolf will host a webcast at 8:00 am ET on Monday, June 3, 2024, to review these clinical results presented at ASCO. Werewolf management will be joined by study investigator Justin Moser, M.D., Associate Clinical Investigator, HonorHealth Research Institute, Scottsdale, AZ, who will present the updated data. The event can be accessed live at <https://investors.werewolfx.com/news-and-events/events>. An archived replay will be available for approximately 90 days following the event.

## About Werewolf Therapeutics

Werewolf Therapeutics, Inc., is an innovative biopharmaceutical company pioneering the development of therapeutics engineered to stimulate the body's immune system for the treatment of cancer. We are leveraging our proprietary PREDATOR® platform to design conditionally activated molecules that stimulate both adaptive and innate immunity with the goal of addressing the limitations of conventional proinflammatory immune therapies. Our INDUKINE™ molecules are intended to remain inactive in peripheral tissue yet activate selectively in the tumor microenvironment. Our most advanced clinical stage product candidates, WTX-124 and WTX-330, are systemically delivered, conditionally activated Interleukin-2 (IL-2), and Interleukin-12 (IL-12) INDUKINE molecules, respectively, for the treatment of solid tumors. We expect to advance WTX-124 in multiple tumor types as a single agent and in combination with an immune checkpoint inhibitor and WTX-330 in multiple tumor types or Non-Hodgkin Lymphoma as a single agent. To learn more visit [www.werewolfx.com](http://www.werewolfx.com).

## Cautionary Note Regarding Forward-Looking Statements

This press release contains forward-looking statements that involve substantial risks and uncertainties. All statements, other than statements of historical facts, contained in this press release, including statements regarding Werewolf's strategy, future operations, prospects, plans, objectives of management, the expected timeline regarding the clinical development of product candidates, including the announcement of data, the potential activity and efficacy of product candidates in preclinical studies and clinical trials, and the timing and outcome of planned meetings with regulatory authorities, constitute forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. The words "aim," "anticipate," "approach," "believe," "contemplate," "continue," "could," "design," "designed to," "engineered," "estimate," "expect," "goal," "intend," "may," "might," "objective," "ongoing," "plan," "potential," "predict," "project," "promise," "should," "target," "will," or "would," or the negative of these terms, or other comparable terminology 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 as a result of various important factors, including: uncertainties inherent in the development of product candidates, including the conduct of research activities, the initiation and completion of preclinical studies and clinical trials; uncertainties as to the availability and timing of results from preclinical studies and clinical trials; the timing of and the Company's ability to submit and obtain regulatory approval for investigational new drug applications; whether results

from preclinical studies will be predictive of the results of later preclinical studies and clinical trials; whether interim or preliminary data from a clinical trial will be predictive of the results of the trial and future clinical trials; the Company's ability to obtain sufficient cash resources to fund the Company's foreseeable and unforeseeable operating expenses and capital expenditure requirements; as well as the risks and uncertainties identified in the "Risk Factors" section of the Company's most recent Form 10-Q filed with the Securities and Exchange Commission ("SEC"), and in subsequent filings the Company may make with the SEC. In addition, the forward-looking statements included in this press release represent the Company's views as of the date of this press release. The Company anticipates that subsequent events and developments will cause its views to change. However, while the Company may elect to update these forward-looking statements at some point in the future, it specifically disclaims any obligation to do so. These forward-looking statements should not be relied upon as representing the Company's views as of any date subsequent to the date of this press release.

PREDATOR® is a registered trademark of Werewolf Therapeutics, Inc., Watertown, MA, USA.

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# Shifting the Balance in Cytokine Therapeutics

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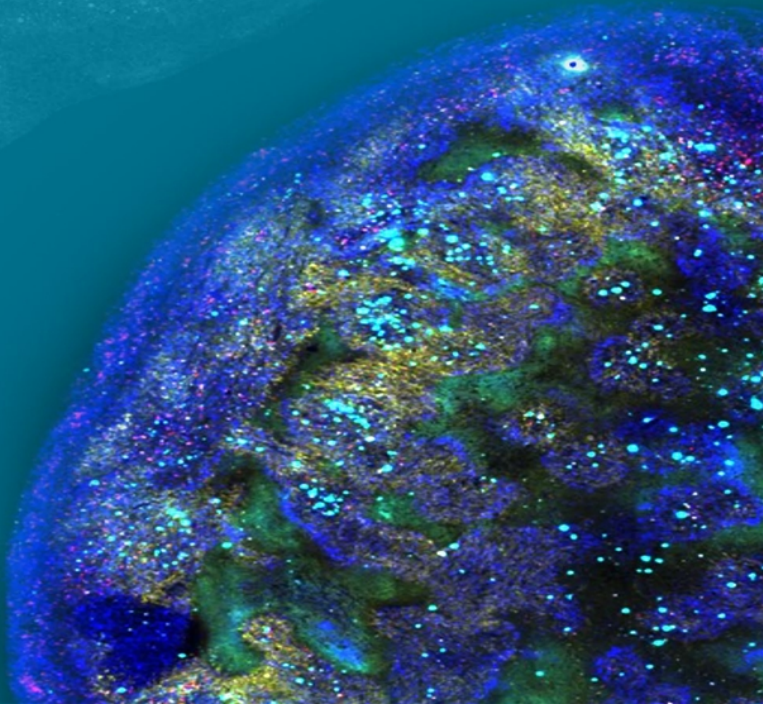
**ASCO 2024**

WTX-124 Phase 1/1b Clinical Trial Update

Investor Webcast

June 3, 2024

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## Cautionary Note Regarding Forward-Looking Statements and Disclaimer

This presentation contains forward-looking statements that involve substantial risks and uncertainties. All statements, other than statements of historical facts, contained in this presentation, including statements regarding Werewolf Therapeutics, Inc.'s (the "Company") strategy, future operations, prospects, plans, objectives of management, the expected timeline regarding preclinical and clinical development for product candidates, including the announcement of data, the potential activity and efficacy of product candidates in future preclinical studies and clinical trials, and the timing and outcome of planned meetings with regulatory authorities, constitute forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. The words "aim," "anticipate," "approach," "believe," "contemplate," "continue," "could," "design," "designed to," "engineered," "estimate," "expect," "goal," "intend," "may," "might," "objective," "ongoing," "opportunity," "plan," "potential," "predict," "project," "promise," "should," "target," "will," or "would," or the negative of these terms, or other comparable terminology 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 as a result of various important factors, including:

uncertainties inherent in the development of product candidates, including the conduct of research activities, the initiation and completion of preclinical studies and clinical trials; uncertainties as to the availability and timing of results from preclinical studies and clinical trials; the timing of and the Company's ability to submit and obtain regulatory approval for investigational new drug applications; whether results from preclinical studies will be predictive of the results of later preclinical studies and clinical trials; whether interim or preliminary data from a clinical trial will be predictive of the results of the trial and future clinical trials; the Company's ability to obtain sufficient cash resources to fund the Company's foreseeable and unforeseeable operating expenses and capital expenditure requirements, as well as the risks and uncertainties identified in the "Risk Factors" section of the Company's most recent Form 10-Q filed with the Securities and Exchange Commission ("SEC") and in subsequent filings the Company may make with the SEC. In addition, the forward-looking statements included in this presentation represent the Company's views as of the date of this presentation. The Company anticipates that subsequent events and developments will cause its views to change. However, while the Company may elect to update these forward-looking statements at some point in the future, it specifically disclaims any obligation to do so. These forward-looking statements should not be relied upon as representing the Company's views as of any date subsequent to the date of this presentation.

# Agenda

- **Introductory Remarks and Program Overview – Dan Hicklin, Ph.D., CEO**
- **Walk-through of WTX-124 Data – Justin Moser, M.D.**
- **Closing Remarks – Randi Isaacs, M.D., CMO**
- **Q&A**



## Overview of WTX-124 Program Objectives

*A cytokine prodrug engineered to improve the efficacy and tolerability of IL-2*

### The Challenge

Approved high-dose IL-2 therapy (HD IL-2) with aldesleukin (Proleukin®) produces durable responses in patients with cutaneous melanoma and renal cell carcinoma, but its use is limited by severe toxicity

### Advantages of WTX-124, an IL-2 INDUKINE™ Molecule

Novel prodrug engineered with enhanced pharmaceutical properties to selectively release a fully potent IL-2 in the tumor microenvironment to stimulate antitumor immunity with reduced toxicity

### Key Opportunities

- Provide IL-2 therapy to patients ineligible for HD IL-2 based on age, performance status, and/or comorbidities
- Address an urgent unmet medical need for patients relapsed/refractory to all SOC therapies including CPIs
- Safely combine IL-2 therapy with SOC agents including CPIs in earlier lines of therapy
- Explore the potential benefit of IL-2 therapy in other IO-sensitive solid tumor indications

Abbreviations: SOC-standard of care; CPI-checkpoint inhibitors; IO-immunotherapy





## WTX-124: Summary of Data to Date

*Establishes potential for a best-in-class IL-2 therapy*

### SITC - Nov 2023

#### Initial monotherapy dose-escalation data; 16 patients (1-12 mg)

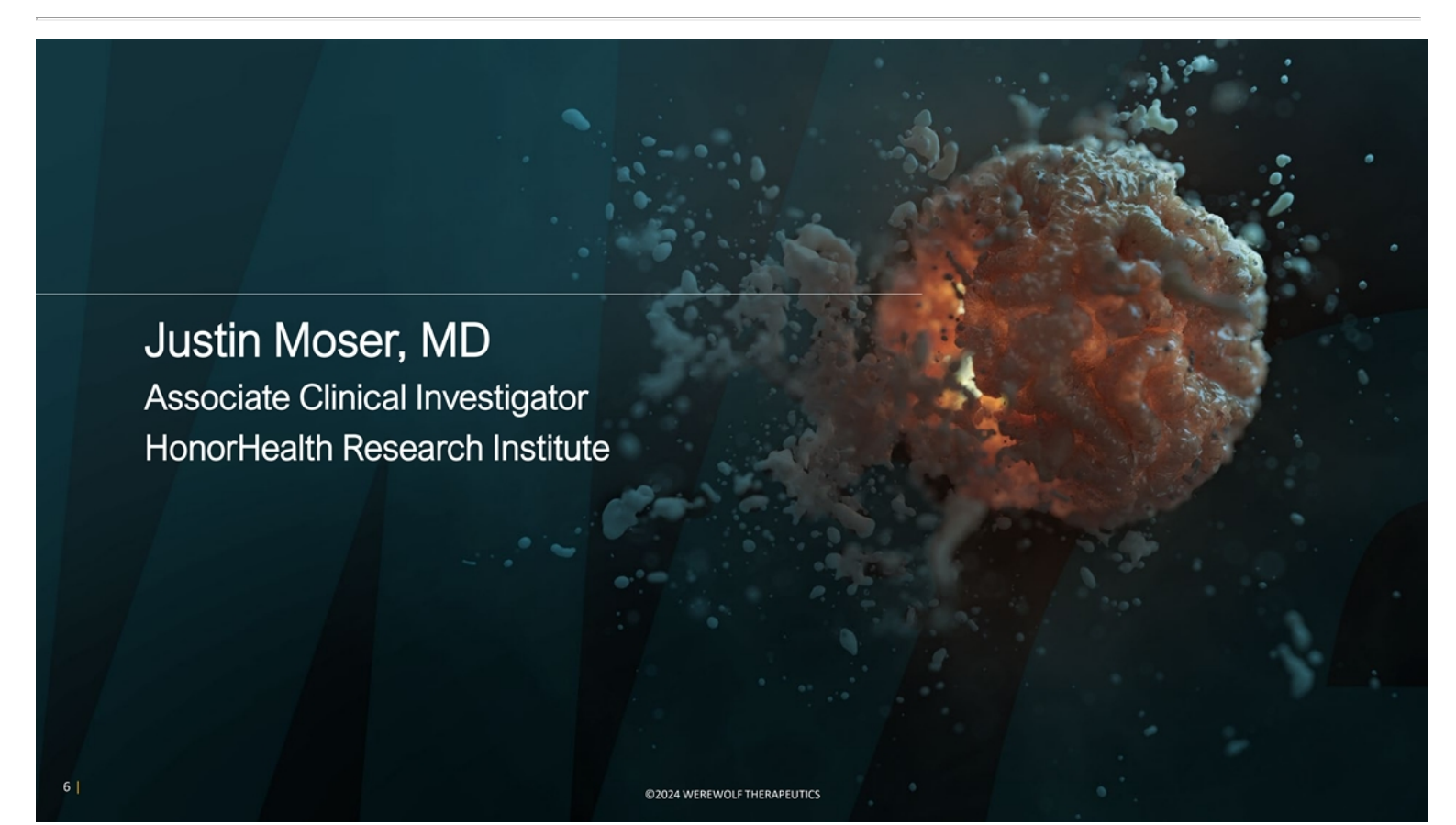
- Generally **well tolerated** by IO-refractory patients in the outpatient setting, many ineligible for HD IL-2 based on age, comorbidities, or indication
- **Wide therapeutic index** established demonstrating proof of concept for the INDUKINE platform
- Demonstrated **Teff cell activation** and **monotherapy clinical activity (2 PRs at 12 mg dose level)**
- Proof of concept established for WTX-124

### ASCO - June 2024

#### Updated monotherapy and initial combination dose-escalation data; 47 patients (1-28 mg)

- **Monotherapy antitumor activity further demonstrated** – durable complete response in patient with CSCC (earlier PR)
- **100% target lesion reduction** noted in responding patients
- Data support **selection of monotherapy RDE and opening of expansion arms**
- Combination dose escalation data demonstrated a **favorable safety profile with strong biomarker signals supportive of combination antitumor activity**

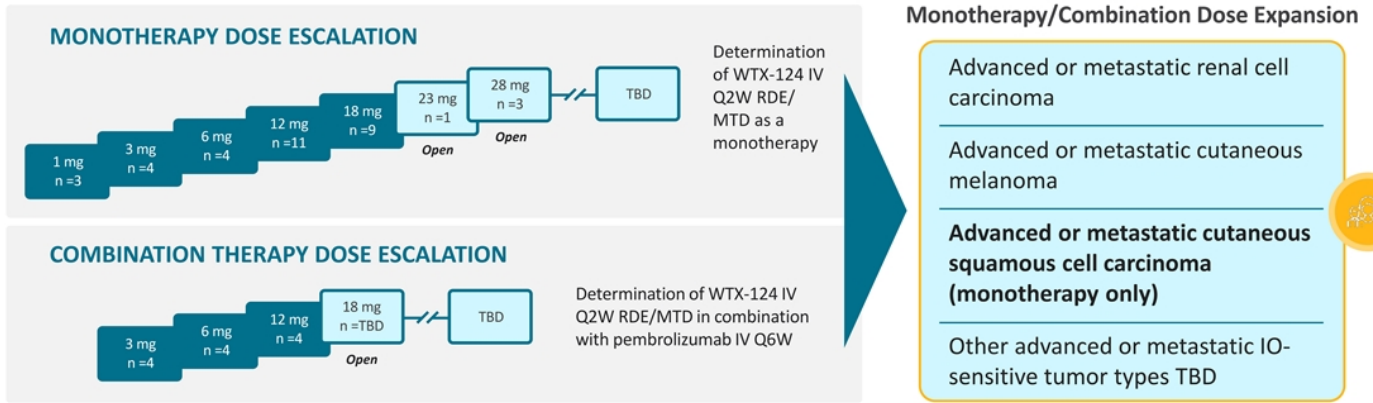
Abbreviations: PR-partial response; CSCC-cutaneous squamous cell carcinoma; RDE-recommended dose for expansion; IO-immunotherapy; ICI-immune checkpoint inhibitor  
Note: SITC data as of November 1, 2023; ASCO data as of May 1, 2024, each for an ongoing, open label Phase 1/1b clinical trial.



Justin Moser, MD  
Associate Clinical Investigator  
HonorHealth Research Institute

# WTX-124 FIH Study Monotherapy Expansion Arms are now Open and Enrolling

Forty-seven patients have received at least one dose of WTX-124 (35 in monotherapy, 12 in combination)



	<b>Trial Details</b>	mTPI-2 (Modified Toxicity Probability Interval 2) study design; enrolling ~160 patients with IO-sensitive tumors	Monotherapy and combination therapy dose escalations enrolled in parallel with staggered start for combination	Assessment of safety, efficacy, pharmacokinetics, biomarkers, and ADA	Tumor biopsies obtained on treatment to evaluate PD biomarkers supporting proof of mechanism
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Abbreviations: FIH-first in human; IV-intravenous; Q2W-once every two weeks; Q6W-once every six weeks; RDE-recommended dose for expansion; MTD-maximum tolerated dose; TBD-to be determined; IO-immunotherapy; ADA-antidrug antibody; PD-pharmacodynamic

Note: Preliminary clinical data as of May 1, 2024, of an ongoing, open label Phase 1/1b clinical trial. Monotherapy expansion arms opened and enrolling as of May 20, 2024.

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# WTX-124 Phase 1 Patient Population was Heterogeneous and Heavily Pretreated

All 47 patients (monotherapy, combination) progressed on standard-of-care ICI regimens

Demographics		
AGE (years)	Mean (SD)	63.9 (10.9)
	Median	65.0
SEX, n (%)	Female	20 (42.6%)
	Male	27 (57.4%)
RACE, n (%)	Black/African-American	2 (4.3%)
	White	39 (83.0%)
	Other/Unknown	6 (12.7%)

Tumor Types	
Enrollment restricted to solid tumor indications for which immunotherapy with ICIs is standard-of-care	
	n (%)
Melanoma*	24 (51.1%)
NSCLC	8 (17.0%)
Renal cell carcinoma	4 (8.5%)
Cutaneous SCC	2 (4.3%)
GEJ adenocarcinoma	1 (2.1%)
Hepatocellular	1 (2.1%)
Urothelial (bladder)	1 (2.1%)
Other	6 (12.8%)

Prior Therapies	
All prior lines of therapy	
	n (%)
1	10 (21.3%)
2	11 (23.4%)
3	15 (31.9%)
≥4	11 (23.4%)
Prior lines of immunotherapy	
	n (%)
1	20 (42.6%)
2	15 (31.9%)
3	9 (19.1%)
≥4	3 (6.4%)

\*Includes patients with cutaneous, mucosal and uveal melanoma.

Abbreviations: ICI-immune checkpoint inhibitor; NSCLC-non-small cell lung cancer; SCC-squamous cell carcinoma; GEJ-gastroesophageal junction

Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.

# WTX-124 was Generally Well Tolerated as a Monotherapy in the Outpatient Setting

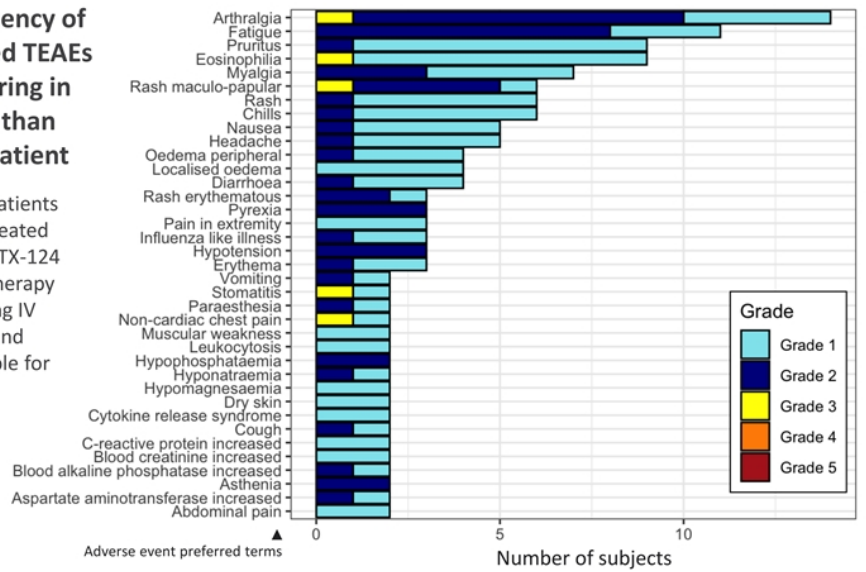
Treatment-related adverse events were primarily mild to moderate including at clinically active doses

**Key Safety Findings:**

- Most frequent related TEAEs were arthralgia, fatigue, pruritis and eosinophilia
- Majority of related TEAEs were Grade 1 and 2
- Grade 3 TEAEs at  $\geq 18$  mg were manageable, reversible
- No Grade 4 or 5 related TEAEs
- No evidence of vascular leak syndrome,  $\geq$  Grade 2 cytokine release syndrome, or infusion reactions
- No recurrence to date of irAEs that had previously occurred on ICI therapy

## Frequency of related TEAEs occurring in more than one patient

N=35 patients were treated with WTX-124 monotherapy (1-28 mg IV Q2W) and evaluable for safety



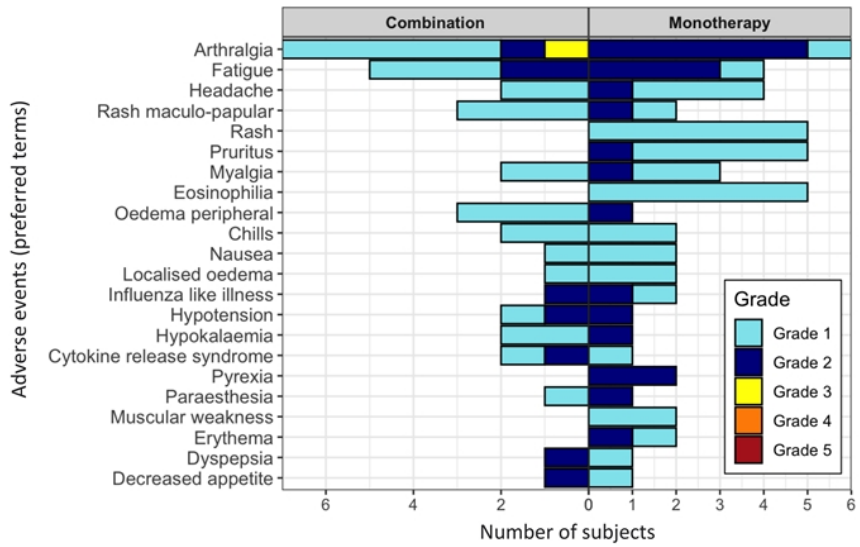
Abbreviations: TEAEs-treatment-emergent adverse events; HD-high dose; IV-intravenous; Q2W-once every two weeks; irAEs-immune related adverse events; ICI-immune checkpoint inhibitor  
 Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.

# No New Safety Signals were Observed for WTX-124 Combined with Pembrolizumab

*Addition of pembrolizumab did not change the character of related adverse events*

## Frequency of related TEAEs occurring more than once for patients at 3-12 mg WTX-124 monotherapy (N=19) or combination therapy (N=12)

- Majority of related TEAEs for combination therapy were mild to moderate
- Combination therapy did not show an increase in the frequency and/or severity of TEAEs seen with WTX-124 monotherapy (e.g., arthralgia, rash, pruritis, fatigue, eosinophilia)

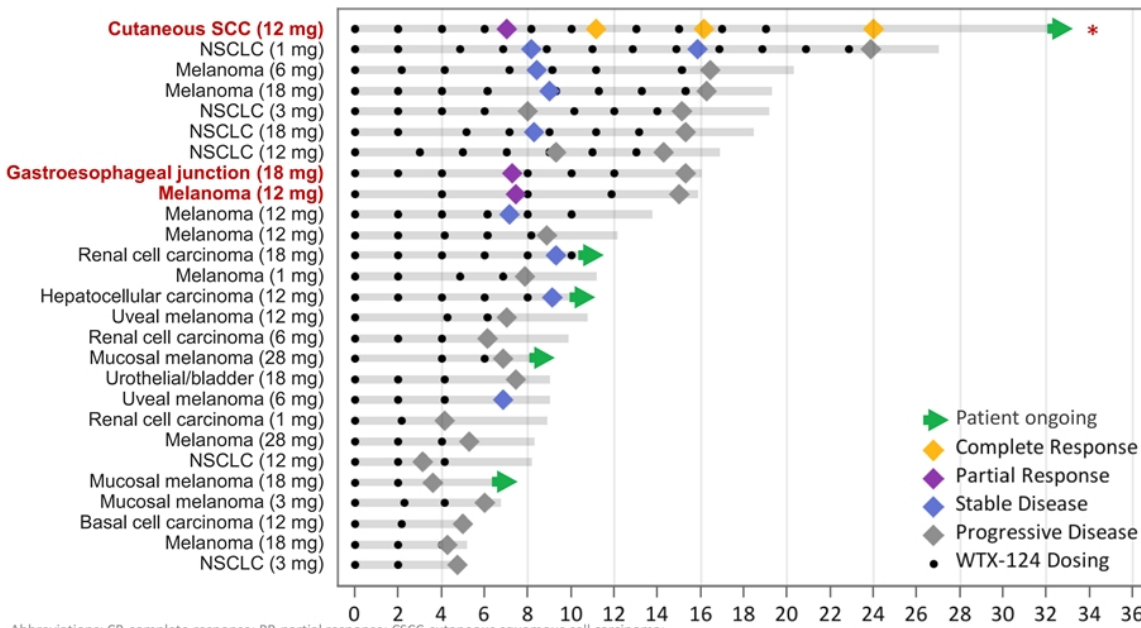


Abbreviation: TEAEs-treatment-emergent adverse events

Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.

# WTX-124 Demonstrated Monotherapy Antitumor Activity at Doses $\geq 12$ mg

Durable CR (8+ months) in a patient with CSCC; PRs in patients with melanoma and GEJ cancer



\*Patient being followed off study drug

Note that patients could be treated beyond progression (PD) if clinically indicated.

- ▶ Patient ongoing
- ◆ Complete Response
- ◆ Partial Response
- ◆ Stable Disease
- ◆ Progressive Disease
- WTX-124 Dosing

Abbreviations: CR-complete response; PR-partial response; CSCC-cutaneous squamous cell carcinoma; NSCLC-non-small cell lung cancer; GEJ-gastroesophageal junction

Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.

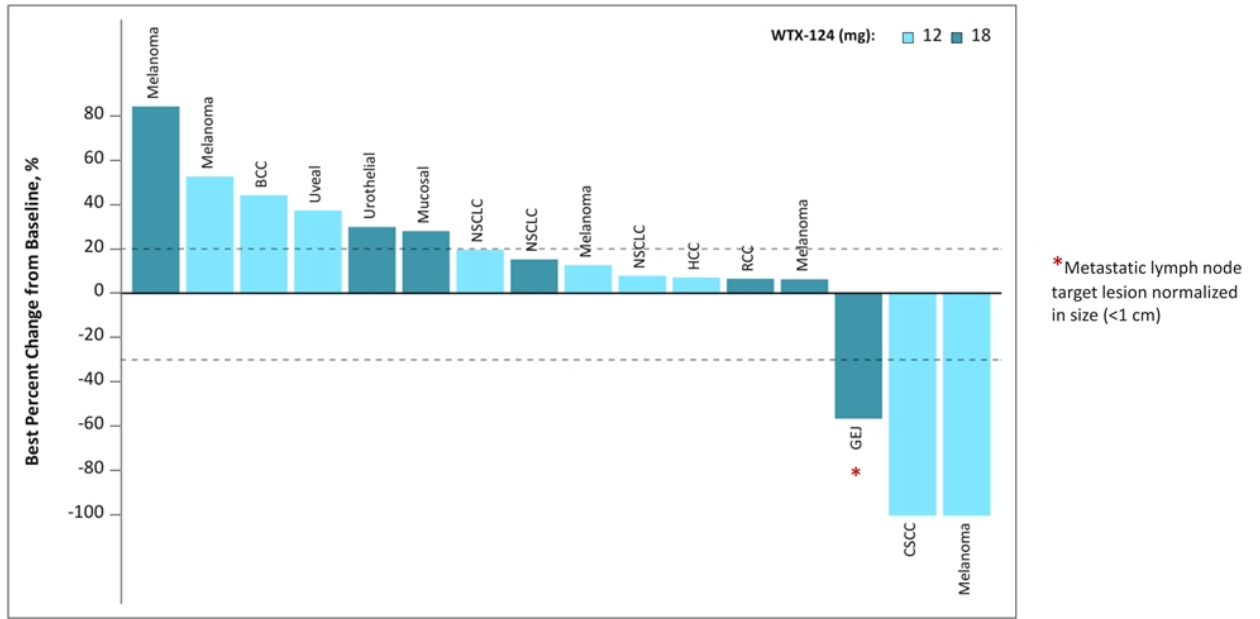
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# Complete Regression of Target Lesions in Patients Responding to WTX-124

Three patients had objective responses and an additional seven had stable target lesions at potential RDE doses (n=16)



Abbreviations: RDE- recommended dose for expansion; BCC-basal cell carcinoma, NSCLC-non-small cell lung cancer, HCC-hepatocellular carcinoma, RCC-renal cell carcinoma, GEJ-gastroesophageal junction tumor, CSCC-cutaneous squamous cell cancer

Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.

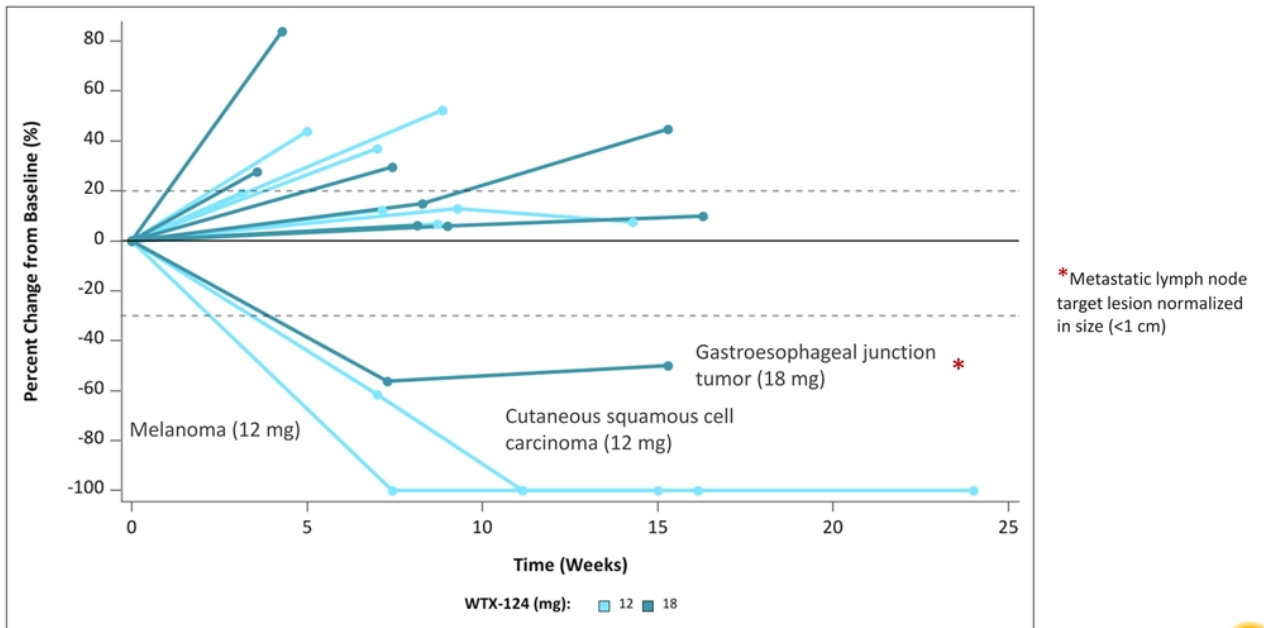
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# Responses at Target Lesions Occurred Rapidly and were Durable at Potential RDE Doses

All three objective responses to WTX-124 monotherapy occurred within two cycles (~8 weeks)



Abbreviations: RDE- recommended dose for expansion

Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.

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## Confirmed Complete Response (CR) Ongoing at 8+ Months in a Patient with ICI-Refractory Cutaneous SCC

72-year-old man with metastatic cutaneous SCC who progressed on RT/cetuximab and had no response to four doses (12 weeks) of cemiplimab (Libtayo®; anti-PD-1) – *panel a*

Initiated treatment with **12 mg WTX-124 IV Q2W** three months after discontinuing cemiplimab

Baseline CT showed a 2.6 cm premaxillary target lesion (T) and a non-target lesion (NT) extending into the pterygopalatine fossa – *panel b*

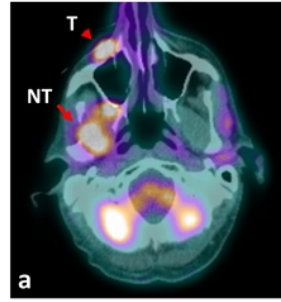
### WTX-124 TREATMENT RESPONSE

- **3 weeks:** On-treatment biopsy of target lesion showed no tumor
- **8 weeks:** restaging CT showed a partial response (PR) with a 62% decrease of target lesion, no increase of non-target lesion – *panel c*
- **12 weeks:** confirmatory PET-CT showed a complete metabolic response of target/non-target lesions, consistent with a CR – *panel d*

Patient tolerated therapy well with only Grade 2 arthralgias, Grade 2 rash

**WTX-124 treatment stopped at 21 weeks in the setting of confirmed CR (ongoing at 8+ months)**

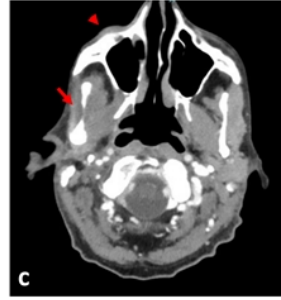
June 2023: PET-CT at time of progression on cemiplimab



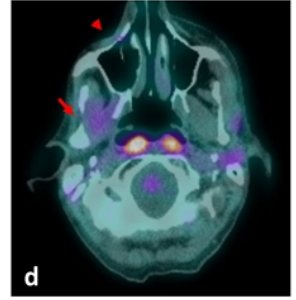
September 2023: Baseline CT performed at study entry



November 1, 2023: First restaging CT at 8 weeks



November 30, 2023: Confirmatory PET-CT at 12 weeks



Abbreviations: IO-immunotherapy; SCC-squamous cell carcinoma; IV-intravenous; Q2W-once every two weeks; CT-computed tomography scan; PET-positron emission tomography  
Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.

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## Partial Response (PR) in a Cutaneous Malignant Melanoma Patient with Secondary ICI Resistance

78-year-old man with metastatic *BRAF* wild type cutaneous melanoma who discontinued adjuvant nivolumab due to toxicity, then progressed on nivolumab/relatlimab (Opdualag™; anti-PD-1, anti-LAG3; *panel a*) as first line therapy for metastatic disease (best overall response PR)

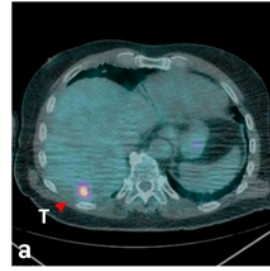
Initiated treatment with **12 mg WTX-124 IV Q2W**

Baseline CT (*panel b*) showed a 1.4 cm liver target lesion (T) and a T11 vertebral non-target lesion (NT). A lesion in the right humerus was demonstrated on PET-CT - *panel d*

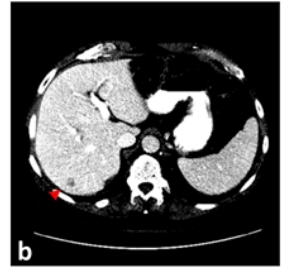
### WTX-124 TREATMENT RESPONSE

- **5 weeks:** target lesion biopsied at baseline could not be reidentified for repeat biopsy
- **8 weeks:** restaging CT showed a **100% reduction** of target lesion and no increase of non-target lesion, consistent with a PR – *panel c*
- **16 weeks (CT):** target lesion remained absent, but non-target T11 bone lesion increased. New lesions identified in sternum and periportal lymph nodes – *not shown*
- **16 weeks (PET-CT):** Right humeral bone lesion present at baseline had completely resolved – *panel d*

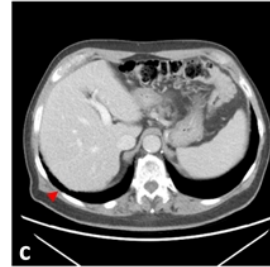
July 2023: Baseline PET-CT at time of progression on Opdualag



July 2023: Baseline CT shows the 1.4 cm target liver lesion

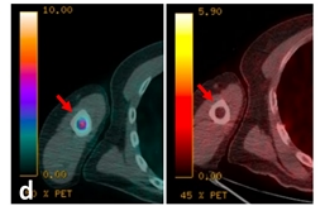


September 2023: First restaging CT at 8 weeks shows complete resolution of target liver lesion



Patient also had complete resolution of a right upper humeral metastasis on PET-CT

July 2023      November 2023



Abbreviations: IO-immunotherapy; IV-intravenous; Q2W-once every two weeks; CT-computed tomography; PET-positron emission tomography

15 | Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.

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## Partial Response (PR) in a Gastroesophageal Junction Tumor Patient with Secondary ICI Resistance

63-year-old man with a metastatic gastroesophageal junction (GEJ) adenocarcinoma who previously progressed on FOLFOX/nivolumab and nivolumab/BMS986253 (anti-IL-8). BOR for each line was SD.

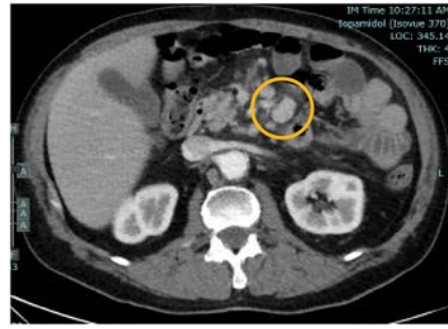
Initiated treatment with **18 mg WTX-124 IV Q2W** three months after discontinuing nivolumab/BMS986253.

Baseline CT showed a 1.6 cm mesenteric lymph node target lesion and four lymph node non-target lesions.

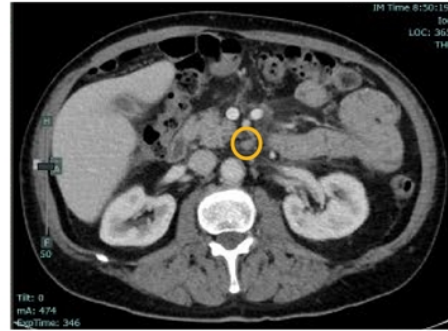
### TREATMENT RESPONSE

- **3 weeks:** metastatic L axillary lymph node biopsied at baseline could not be reidentified
- **8 weeks:** restaging CT showed a **56% reduction** of target lesion (complete normalization to <1 cm) and no increase of non-target lesions, consistent with a PR
- **16 weeks:** ongoing response observed at target lesion. Progression seen at one of four non-target lymph nodes, per radiology report.

**Patient discontinued WTX-124 but has neither progressed nor needed any additional anticancer therapy for 3 months.**



**October 2023:** Baseline CT shows a 1.6 cm mesenteric lymph node target lesion



**January 2024:** First restaging CT at 8 weeks shows a 56% reduction of mesenteric lymph node target lesion (normalization of size to <1 cm)

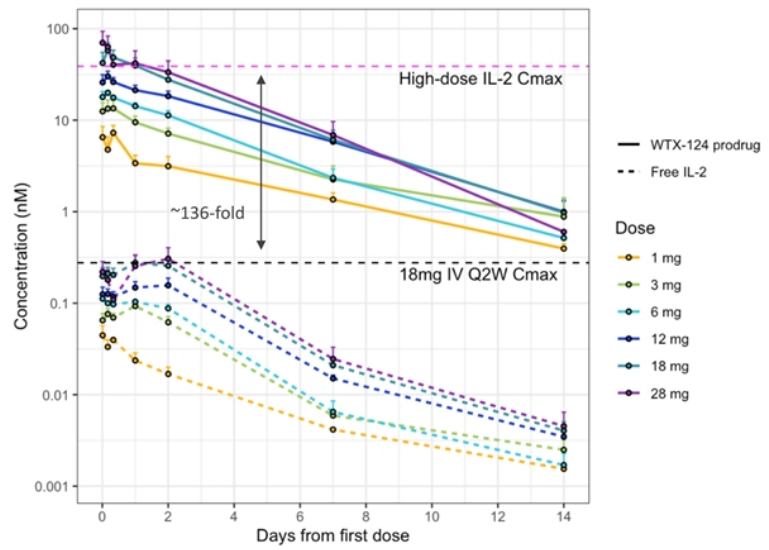
# PK Data Continue to Demonstrate Proof of Concept for the INDUKINE Strategy

Data support the improved safety profile and therapeutic index of WTX-124 compared to HD IL-2

## Preliminary PK findings:

- WTX-124 dosed at 18 mg IV Q2W has a ~1.5-fold higher C<sub>max</sub> than HD IL-2
- Peak free IL-2 exposure after WTX-124 18 mg is ~136-fold lower than HD IL-2
- Across all dose levels, free IL-2 levels are very low (<1.6% of prodrug exposure)
- WTX-124 PK is approximately dose-proportional up to 18 mg IV Q2W
- Repeat dosing does not cause accumulation of WTX-124 or free IL-2
- ADA are transient, primarily low titer, and have no apparent impact on repeat dose exposure
- Pembrolizumab did not affect WTX-124 PK

Cycle 1 PK profiles for WTX-124 and free IL-2 compared to high-dose IL-2 C<sub>max</sub> (mean ± SEM)



Abbreviations: PK-pharmacokinetics; HD-high dose; IV-intravenous; Q2W-once every two weeks; ADA-anti-drug antibody

Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.

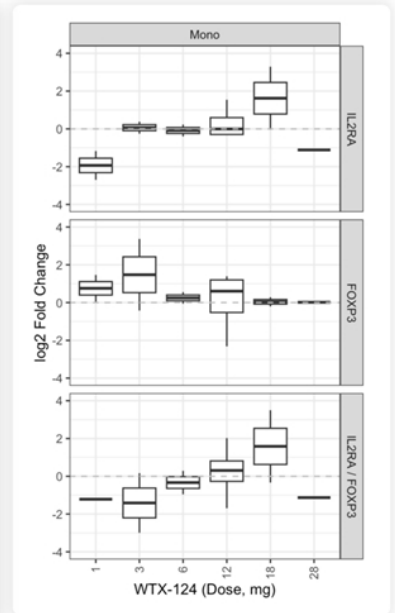
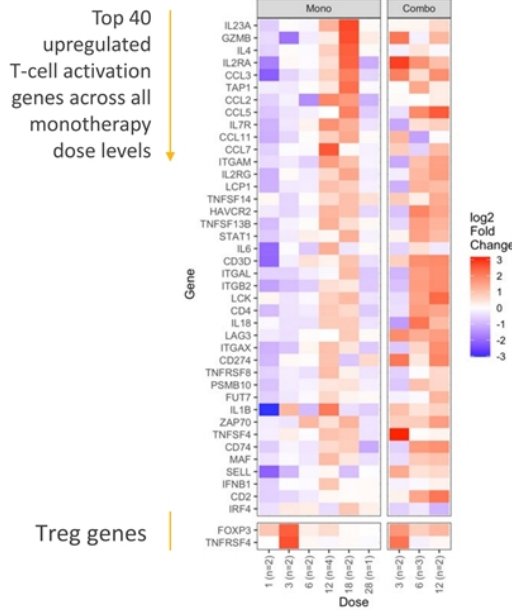
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# WTX-124 Caused Dose Dependent Increases in Intratumoral T-cell Activation by NanoString

## Key insights from tumor biomarkers:

- Largest changes seen at 18 mg (monotherapy) and 12 mg (combination)
- Upregulation of *GRZB* and *IL2RA* signify enhanced effector T cell function
- Treg genes including *FOXP3* and *TNFRSF4* did not increase with dose
- Data suggest preferential activation and expansion of effector T cells over Tregs
- No observed carry-over effect from prior checkpoint inhibitors based on distinct NanoString signature for monotherapy vs. combination at 3 and 6 mg



Note: Data presented for patients for whom on-treatment biopsies were available as of May 1, 2024.

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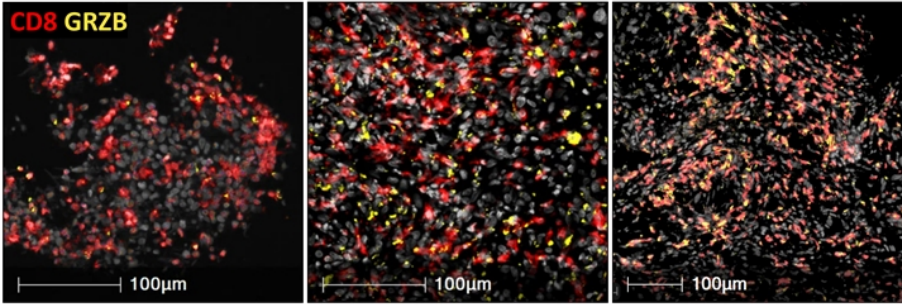




# T-cell Inflamed Tumor Microenvironment Associated with WTX-124 Clinical Activity

Findings in baseline tumor biopsies were consistent with the known mechanism of action of IL-2

Fresh tumor biopsies acquired prior to starting WTX-124 treatment



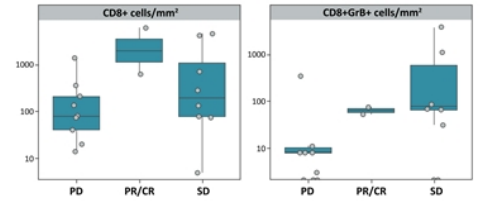
Tumor:	Cutaneous SCC	Melanoma	RCC
Prior IO:	Cemiplimab (1° resistance)	Opdualag (2° resistance)	Pembrolizumab/axitinib (2° resistance)
WTX-124 dose:	12 mg (DL4)	12 mg (DL4)	18 mg (DL4)
Biopsied lesion:	Complete regression	Complete regression	8.5% increase
RECIST	CR (confirmed)	PR (non-confirmed)	SD (awaiting confirmation)

Abbreviations: PR-partial response; CR-complete response; SD-stable disease; PD-progressive disease; CSCC-cutaneous squamous cell carcinoma; RCC-renal cell carcinoma; IO-immunotherapy; DL-dose level

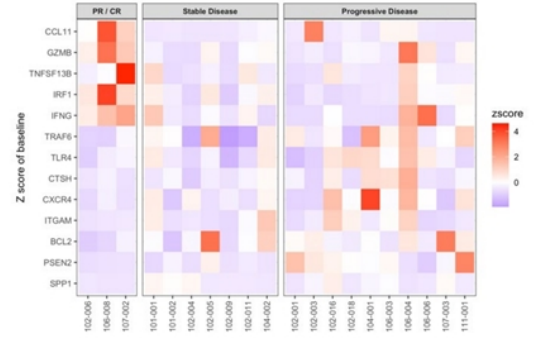
19 | Note: Based on biopsies and preliminary clinical data available as of May 1, 2024.

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Baseline biopsies showed trends toward greater CD8+ T cell density in patients with PR/CR/SD versus those with PD (multiplexed IF)



DESeq2 analysis of NanoString data showed that responders have a unique baseline signature



## Summary of Data from Ongoing WTX-124 Phase 1/1b Study



### Safety

- Generally well tolerated in the outpatient setting
- No evidence of vascular leak syndrome, cytokine release syndrome ( $\geq$ Grade 2) or infusion reactions
- Majority of related TEAEs were Grade 1-2 (all were reversible)
- No related Grade 4 or 5 TEAEs
- No new safety signals when combined with pembrolizumab



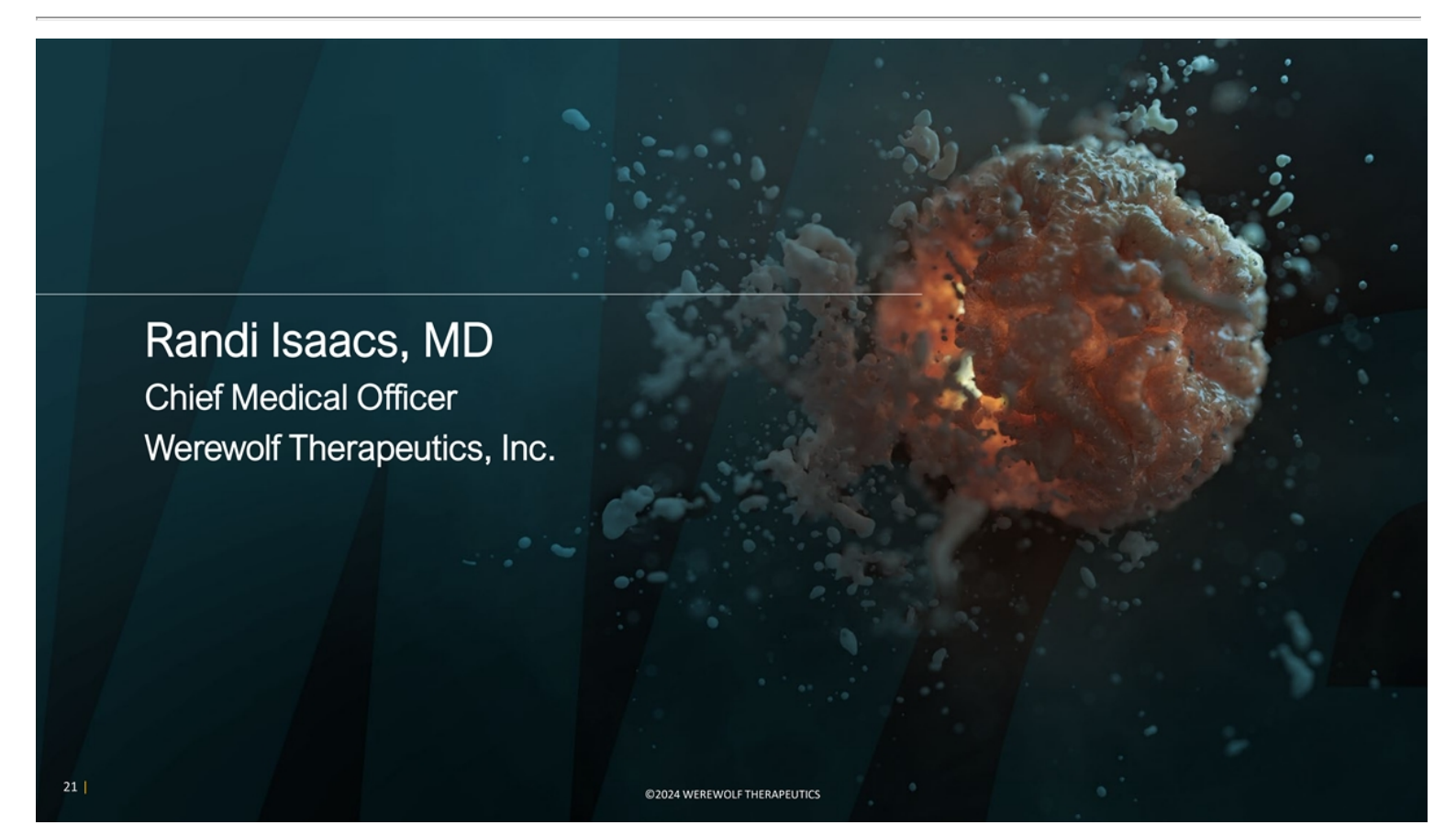
### Clinical Activity

- Objective responses at monotherapy doses  $\geq$ 12 mg
  - Confirmed, durable CR in patient with CSCC
  - Two PRs in patients with melanoma, gastroesophageal junction tumor
- 100% regression of target lesions in responding patients
- Dose-dependent expansion and activation of effector T cells in the tumor microenvironment, further enhanced with combination therapy

***WTX-124 has monotherapy antitumor activity in patients refractory to SOC ICI regimens and no new safety signals when combined with pembrolizumab at clinically active doses***

Abbreviations: TEAE-treatment-emergent adverse events; IV-intravenous; Q2W-once every two weeks; CR-complete response; CSCC- cutaneous squamous cell carcinoma; PR-partial response;  
Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial.





Randi Isaacs, MD  
Chief Medical Officer  
Werewolf Therapeutics, Inc.

## Preliminary WTX-124 Clinical Data Demonstrate Potential for a Best-in-class IL-2 Therapy

- ✓ Monotherapy activity demonstrated in heavily pretreated patients who were refractory to all SOC therapies including checkpoint inhibitors
- ✓ Clinical activity observed in patients ineligible for approved HD IL-2 therapy
- ✓ WTX-124 18 mg IV Q2W was selected as the monotherapy RDE based on clinical activity and outpatient safety profile
- ✓ Combination with pembrolizumab was generally well-tolerated with AE profile similar to monotherapy
- ✓ Increased T cell activation signature for the combination suggests a potential for improved antitumor activity by combining WTX-124 with pembrolizumab
- ✓ Opportunity to explore activity of monotherapy or combination therapy in IO-sensitive indications beyond melanoma and renal cell carcinoma and in earlier lines of therapy

Abbreviations: SOC-standard of care; HD-high dose; IV-intravenous; Q2W-once every two weeks; RDE-recommended dose for expansion; AE-adverse event; IO-immunotherapy  
Note: Preliminary clinical data as of May 1, 2024, for an ongoing, open label Phase 1/1b clinical trial. Monotherapy expansion arms opened and enrolling as of May 20, 2024.

## WTX-124 program next steps

- ✓ WTX-124 dose of 18 mg IV Q2W has been selected as recommended dose for expansion (RDE)
- ✓ Monotherapy expansion arms in advanced or metastatic renal cell carcinoma (n=20), cutaneous melanoma (n=20), and cutaneous squamous cell carcinoma (n=10) now open for enrollment
- ✓ Dose escalation continuing for WTX-124 combination with pembrolizumab; selection of RDE and opening of combination expansion arms expected in 3Q24
- ✓ Next potential milestone in 4Q24/1Q25
  - Evaluation of monotherapy clinical activity in more homogeneous, less heavily pre-treated patient populations
  - FDA meeting to discuss potential registration pathways, including strategy for monotherapy accelerated approval in ICI relapsed/refractory indications

Abbreviations: IV-intravenous; Q2W-once every two weeks; ICI-immune checkpoint inhibitor

Thank You

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