



Plus Therapeutics Reports New Interim ReSPECT-GBM Phase 2 Trial Data at the Society for NeuroOncology Annual Meeting and will Host Key Opinion Leader Webinar

November 20, 2023

Median overall survival (mOS) in 15 patients with recurrent glioblastoma (rGBM) from the Phase 2 study is 13 months, which is 63% better than current standard of care (bevacizumab monotherapy) of 8 months; 9 of the 15 patients remain alive

Median progression free survival (mPFS) is 11 months, compared to SOC at 4 months

Rhenium (¹⁸⁶Re) Obisbameda continues to demonstrate a favorable safety profile, despite delivering up to 20x the dose of radiation (up to 740 Gy) typically delivered by external beam radiation therapy (EBRT) for rGBM patients (up to 35 Gy)

Imaging data presented by Andrew Brenner, MD, PhD is consistent with the efficacy signal of Rhenium (¹⁸⁶Re) Obisbameda in rGBM

Company to Host Virtual KOL Webinar to Discuss Data Today at 10:00 am ET

AUSTIN, Texas, Nov. 20, 2023 (GLOBE NEWSWIRE) -- [Plus Therapeutics, Inc.](#) (Nasdaq: [PSTV](#)) (the "Company"), a clinical-stage pharmaceutical company developing targeted radiotherapeutics with advanced platform technologies for central nervous system cancers, today announced positive data from the ongoing ReSPECT-GBM Phase 2 trial evaluating the Company's lead radiotherapeutic, rhenium (¹⁸⁶Re) obisbameda, for the treatment of recurrent glioblastoma (rGBM) at the Society for NeuroOncology (SNO) 28th Annual Meeting held November 15-19, 2023 in Vancouver, Canada. The Company is hosting a virtual key opinion leader (KOL) webinar to discuss the data today at 10:00 am ET. To register for the event, please click [here](#).

"GBM needs better treatment options, and we are highly encouraged by the initial data from the NIH-supported ReSPECT-GBM Phase 2 trial of rhenium (¹⁸⁶Re) obisbameda in rGBM," said Marc H. Hedrick, M.D., M.B.A., President and Chief Executive Officer of Plus Therapeutics. "We believe the data presented at SNO suggests that rhenium (¹⁸⁶Re) obisbameda confers a survival benefit over published standard of care data and our own real world data assessments of propensity matched controls. Our 2024 focus will be onboarding additional clinical sites, completing Phase 2 enrollment, continuing the Phase 1 trial to maximum tolerated dose, and planning next steps for the program."

"The interim ReSPECT-GBM Phase 2 data coupled with the novel imaging analyses reported at SNO further strengthens the compelling therapeutic rationale for the use of rhenium (¹⁸⁶Re) obisbameda on malignant gliomas," said Andrew J. Brenner, M.D., Ph.D., Professor of Medicine, Neurology, and Neurosurgery at The University of Texas Health Science Center at San Antonio and principal investigator of the ReSPECT-GBM clinical trial. "The Phase 2 clinical outcomes thus far show effects consistent with the group of patients in the Phase 1 dose escalation trial that received both a therapeutic dose of radiation of greater than 100 Gy and tumor coverage of greater than 70%."

Key Highlights from the ReSPECT-GBM Phase 2 Trial

ReSPECT-GBM is an ongoing, first-in-human, open-label, Phase 1/2 study investigating dose escalation and other delivery parameters (i.e., number of catheters (1-5), infusion rates, drug volumes, and drug concentrations) to determine the maximum tolerated dose (MTD), maximum feasible dose (MFD), safety, and efficacy of rhenium (¹⁸⁶Re) obisbameda in recurrent adult glioma (IND 116117).

The primary objective of the Phase 2 study is to assess overall survival (OS) following rhenium (¹⁸⁶Re) obisbameda administration. As of November 14, 2023, 15 patients with rGBM have been treated with rhenium (¹⁸⁶Re) obisbameda at a dose of 22.3 mCi delivered directly to the tumor by Convection Enhanced Delivery (CED).

- In 15 treated patients, mOS is 13 months (95% CI 5 months). Currently, 9 out of the 15 treated patients remain alive.
- Median PFS is 11 months (95% CI 6-11 months).
- The average percent of treated tumor across all 15 patients was 87.2% at 120 hours, with 13/15 patients receiving greater than or equal 70% tumor volume coverage by the drug and ≥100 Gy absorbed dose to the tumor.
- Advanced longitudinal imaging analysis supports the observed efficacy signal of rhenium (¹⁸⁶Re) obisbameda.
- Rhenium (¹⁸⁶Re) obisbameda continues to be generally safe and well tolerated, consistent with data accumulated in the Phase 1 trial.

A copy of the presentations will be made available under the Presentations tab of the Investors section of the Company's website following the meeting at <https://ir.plustherapeutics.com>.

KOL Webinar to Discuss SNO Data

Plus Therapeutics is hosting a virtual KOL event today, November 20, 2023 at 10:00 am ET to discuss the data presented at SNO. The event will feature neuro-oncology expert and principal investigator Andrew Brenner, M.D., Ph.D. (Professor-Research, Departments of Medicine, Neurology, and Neurosurgery, S & B Koltz/CTRC-Zachry Endowed Chair Neuro-Oncology Research, Mays Cancer Center at UT Health San Antonio) and neurosurgeons Toral Patel, M.D. (UT Southwestern Medical Center, Peter O'Donnell Jr. Brain Institute) and John Floyd, M.D. (UT Health San Antonio, UT Health Medical Arts & Research Center).

To register for the event, please click [here](#). A replay of the event will be available on Investor Relations section of the Plus Therapeutics website after

the event.

About Rhenium (^{186}Re) obisbameda

Rhenium (^{186}Re) obisbameda is a novel injectable radiotherapy specifically formulated to deliver highly targeted high dose radiation in CNS tumors in a safe, effective and convenient manner to optimize patient outcomes. Rhenium (^{186}Re) obisbameda has the potential to reduce risks and improve outcomes for CNS cancer patients, versus currently approved therapies, with a more targeted and potent radiation dose. Rhenium-186 is an ideal radioisotope for CNS therapeutic applications due to its short half-life, beta energy for destroying cancerous tissue and gamma energy for live imaging. Rhenium (^{186}Re) obisbameda is being evaluated for the treatment of recurrent glioblastoma and leptomeningeal metastases in the ReSPECT-GBM and ReSPECT-LM clinical trials. ReSPECT-GBM is supported by an award from the National Cancer Institute (NCI), part of the U.S. National Institutes of Health (NIH), and ReSPECT-LM is funded by a three-year \$17.6M grant by the Cancer Prevention & Research Institute of Texas (CPRIT).

About Plus Therapeutics

Plus Therapeutics, Inc. is a clinical-stage pharmaceutical company developing targeted radiotherapeutics for difficult-to-treat cancers of the central nervous system with the potential to enhance clinical outcomes for patients. Combining image-guided local beta radiation and targeted drug delivery approaches, the Company is advancing a pipeline of product candidates with lead programs in recurrent glioblastoma (GBM) and leptomeningeal metastases (LM). The Company has built a robust supply chain through strategic partnerships that enable the development, manufacturing and future potential commercialization of its products. Plus Therapeutics is led by an experienced and dedicated leadership team and has operations in key cancer clinical development hubs including Austin and San Antonio, Texas. For more information, visit <https://plustherapeutics.com/>.

Cautionary Statement Regarding Forward-Looking Statements

This press release contains statements that may be deemed "forward-looking statements" within the meaning of U.S. securities laws. All statements in this press release other than statements of historical fact are forward-looking statements. These forward-looking statements may be identified by future verbs, as well as terms such as "designed to," "will," "can," "potential," "focus," "preparing," "next steps," "possibly," and similar expressions or the negatives thereof. Such statements are based upon certain assumptions and assessments made by management in light of their experience and their perception of historical trends, current conditions, expected future developments and other factors they believe to be appropriate. These statements include, without limitation, statements regarding the following: the potential promise of ^{186}Re including the ability of ^{186}Re to safely and effectively deliver radiation directly to the tumor at high doses; expectations as to the Company's future performance including the next steps in developing the Company's current assets; the Company's clinical trials including statements regarding the timing and characteristics of the ReSPECT-GBM and ReSPECT-LM clinical trials; the anticipated completion of the ReSPECT-GBM Phase 2 enrollment; the continuation of the ReSPECT-GBM phase 1 trial to maximum tolerated dose and the next phase of the program; the continued evaluation of rhenium (^{186}Re) obisbameda including through evaluations in additional patient cohorts; and the intended functions of the Company's platform and expected benefits from such functions.

The forward-looking statements included in this press release are subject to a number of risks and uncertainties that may cause actual results to differ materially from those discussed in such forward-looking statements. These risks and uncertainties include, but are not limited to: the Company's actual results may differ, including materially, from those anticipated in these forward-looking statements as a result of various factors, including, but not limited to, the following: the early stage of the Company's product candidates and therapies, the results of the Company's research and development activities, including uncertainties relating to the clinical trials of its product candidates and therapies; the Company's liquidity and capital resources and its ability to raise additional cash, the outcome of the Company's partnering/licensing efforts, risks associated with laws or regulatory requirements applicable to it, market conditions, product performance, litigation or potential litigation, and competition within the cancer diagnostics and therapeutics field, among others; and additional risks described under the heading "Risk Factors" in the Company's Securities and Exchange Commission filings, including in the Company's annual and quarterly reports. There may be events in the future that the Company is unable to predict, or over which it has no control, and its business, financial condition, results of operations and prospects may change in the future. The Company assumes no responsibility to update or revise any forward-looking statements to reflect events, trends or circumstances after the date they are made unless the Company has an obligation under U.S. federal securities laws to do so.

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