

## Shuttle Pharma Provides Second Quarter 2025 Corporate Update

GAITHERSBURG, Md., Aug. 14, 2025 (GLOBE NEWSWIRE) — Shuttle Pharmaceuticals Holdings, Inc. (Nasdaq: SHPH) (“Shuttle Pharma” or the “Company”), a discovery and development stage specialty pharmaceutical company focused on improving outcomes for cancer patients treated with radiation therapy (RT), today provided a corporate update.

### Recent Activities:

- Patient enrollment in the Company’s Phase 2 clinical trial of Ropidoxuridine for treatment of patients with glioblastoma reached 63% in the initial randomized portion of the trial.
- 72% of the enrolled patients have completed all seven cycles.
- Ropidoxuridine is being reported by treatment sites as well tolerated.
- Ended the quarter with \$4.8 million in cash following the closing of a private placement pursuant to a securities purchase agreement with an accredited investor for aggregate gross proceeds of \$4.25 million in June 2025.
- Completed a reverse stock split in June 2025 as part of strategic Nasdaq compliance initiative.
- Appointed George Scorsis as the Chairman of the Board of Directors and appointed Christopher Cooper, our current Interim Chief Executive Officer to our Board of Directors. Mr. Scorsis has over 25 years of experience leading companies in highly regulated industries to rapid growth. Mr. Cooper has over 27 years of management and finance experience.

“We are encouraged by the progress in our Phase 2 clinical trial of Ropidoxuridine for glioblastoma, with 63% enrollment having recently been achieved. Importantly, 72% of enrolled patients have completed all seven cycles with treatment reported as being well-tolerated,” commented Shuttle Pharma’s interim Chief Executive Officer, Chris Cooper. “We are working closely with our primary third-party CRO, Theradex Systems, to continue execution of the clinical trial in combination with leading cancer centers across the U.S. Our goal continues to remain completion of enrollment later this year, with follow-up and data readouts anticipated in 2026.”

Ropidoxuridine (IPdR) is Shuttle Pharma’s lead candidate radiation sensitizer for use in combination with RT to treat brain tumors (glioblastoma), a deadly malignancy of the brain with no known cure. Shuttle Pharma previously received Orphan Drug Designation from the FDA, providing Shuttle Pharma with potential marketing exclusivity upon obtaining FDA approval for treatment of this disease.

The Phase 2 clinical trial design initially randomizes 40 patients into two different dose levels of drug, with 20 patients receiving 1,200 mg/day and 20 patients receiving 960 mg/day, to determine an optimal dose for use in glioblastoma patients in combination with RT. After the optimal dose is identified, 14 additional patients will be enrolled at the optimal dose to reach statistical significance with the end-point demonstrating increased survival as compared to historical controls.

The Phase 2 clinical trial is conducted at Georgetown University Medical Center, Allegheny Health Network (AHN) Cancer Institute, UNC Medical Center, the UVA Cancer Center, John Theurer Cancer Center at Hackensack University Medical Center, and Miami Cancer Institute, part of Baptist Health South Florida.

An estimated 800,000 patients in the US are treated with radiation therapy for their cancers yearly. According to the American Cancer Society and the American Society of Radiation Oncologists, about 50% are treated for curative purposes and the balance for palliative therapeutic care. The market opportunity for radiation sensitizers lies with the 400,000 patients treated for curative purposes, with this number expected to grow by more than 22% over the next five years.

More information about the Phase 2 study (NCT06359379) can be found at [www.clinicaltrials.gov](http://www.clinicaltrials.gov).

### **About Shuttle Pharmaceuticals**

Founded in 2012 by faculty members of the Georgetown University Medical Center, Shuttle Pharma is a discovery and development stage specialty pharmaceutical company focused on improving the outcomes for cancer patients treated with radiation therapy (RT). Our mission is to improve the lives of cancer patients by developing therapies that are designed to maximize the effectiveness of RT while limiting the side effects of radiation in cancer treatment. Although RT is a proven modality for treating cancers, by developing radiation sensitizers, we aim to increase cancer cure rates, prolong patient survival and improve quality of life when used as a primary treatment or in combination with surgery, chemotherapy and immunotherapy. For more information, please visit our website at [www.shuttlepharma.com](http://www.shuttlepharma.com).

### **Safe Harbor Statement**

Statements in this press release about future expectations, plans and prospects, as well as any other statements regarding matters that are not historical facts, may constitute "forward-looking statements." These statements include, but are not limited to, statements concerning the development of our company. The words "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "plan," "potential," "predict," "project," "should," "target," "will," "would" and similar expressions are intended to identify forward-

looking statements, although not all forward-looking statements contain these identifying words. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including factors discussed in the “Risk Factors” section of Shuttle Pharma’s Annual Report on Form 10-K for the year ended December 31, 2024, filed with the SEC on February 26, 2025, as well other SEC filings. Any forward-looking statements contained in this press release speak only as of the date hereof and, except as required by federal securities laws, Shuttle Pharmaceuticals specifically disclaims any obligation to update any forward-looking statement, whether as a result of new information, future events or otherwise.

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