



NEWS RELEASE

Lantern Pharma Announces Abstract on Effectiveness of LP-284 in Hematologic Cancers Accepted for Presentation at the 63rd American Society of Hematology (ASH) Annual Meeting

2021-11-04

DALLAS, Nov. 4, 2021 /PRNewswire/ -- Lantern Pharma (NASDAQ: LTRN), a clinical stage biopharmaceutical company using its proprietary RADR[®] artificial intelligence ("A.I.") platform to transform the cost, pace, and timeline of oncology drug discovery and development, today announced that Lantern Pharma's abstract on the effectiveness of LP-284 in hematologic cancers has been accepted as a poster at the upcoming 63rd American Society of Hematology (ASH) Annual Meeting, which is being held in-person and virtually from December 11 – 14, 2021. The abstract is available online on the ASH [website](#).

Abstract Title: The Positive Enantiomer of a Novel Chiral DNA Alkylating Agent Exhibits Nanomolar Potency in Hematologic Cancers

Session Name: 802. Chemical Biology and Experimental Therapeutics: Poster III

Abstract Number: 3991

Poster Session Date & Time: Monday, December 13, 2021, 6:00 PM - 8:00 PM

Presenter: Jianli Zhou, Ph.D., Lantern Pharma

LP-284 is a fully synthetic molecule belonging to the new generation of acylfulvenes, a family of naturally derived anti-cancer drug candidates. While LP-184 shows potency in solid cancer, LP-284 was primarily developed as an

analogue which shows selective efficacy against hematologic cancer. LP-284 is currently being evaluated for activity in a wide spectrum of hematological cancers.

Together with the work of collaborators, the roadmap to advancement of LP-284 to the clinic includes identification and validation of target indications, response gene signature development leading to IND-enabling pharmacokinetic profiling, and tolerability and dose range finding studies followed by clinical protocol development.

About Lantern Pharma

Lantern Pharma (LTRN) is a clinical-stage oncology-focused biopharmaceutical company leveraging its proprietary RADR® A.I. platform and machine learning to discover biomarker signatures that identify patients most likely to respond to its pipeline of genomically-targeted therapeutics. Lantern is currently developing four drug candidates and an ADC program across eight disclosed tumor targets, including two phase 2 programs. By targeting drugs to patients whose genomic profile identifies them as having the highest probability of benefiting from the drug, Lantern's approach represents the potential to deliver best-in-class outcomes. More information is available at: www.lanternpharma.com and Twitter @lanternpharma.

Forward-looking Statements

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. These forward-looking statements include, among other things, statements relating to: future events or our future financial performance; the potential advantages of our RADR® platform in identifying drug candidates and patient populations that are likely to respond to a drug candidate; our strategic plans to advance the development of our drug candidates and antibody drug conjugate (ADC) development program; estimates regarding the development timing for our drug candidates and ADC development program; our research and development efforts of our internal drug discovery programs and the utilization of our RADR® platform to streamline the drug development process; our intention to leverage artificial intelligence, machine learning and genomic data to streamline and transform the pace, risk and cost of oncology drug discovery and development and to identify patient populations that would likely respond to a drug candidate; estimates regarding potential markets and potential market sizes; sales estimates for our drug candidates and our plans to discover and develop drug candidates and to maximize their commercial potential by advancing such drug candidates ourselves or in collaboration with others. Any statements that are not statements of historical fact (including, without limitation, statements that use words such as "anticipate," "believe," "contemplate," "could," "estimate," "expect," "intend," "seek," "may," "might," "plan," "potential," "predict," "project," "target," "objective," "aim," "upcoming," "should," "will," "would," or the negative of these words or other similar expressions) should be considered forward-looking statements. There are a number of important factors that could cause our actual results to differ materially from those indicated by the forward-looking statements, such as (i) the

impact of the COVID-19 pandemic, (ii) the risk that our research and the research of our collaborators may not be successful, (iii) the risk that none of our product candidates has received FDA marketing approval, and we may not be able to successfully initiate, conduct, or conclude clinical testing for or obtain marketing approval for our product candidates, (iv) the risk that no drug product based on our proprietary RADR A.I. platform has received FDA marketing approval or otherwise been incorporated into a commercial product, and (v) those other factors set forth in the Risk Factors section in our Annual Report on Form 10-K for the year ended December 31, 2020, filed with the Securities and Exchange Commission on March 10, 2021. You may access our Annual Report on Form 10-K for the year ended December 31, 2020 under the investor SEC filings tab of our website at www.lanternpharma.com or on the SEC's website at www.sec.gov. Given these risks and uncertainties, we can give no assurances that our forward-looking statements will prove to be accurate, or that any other results or events projected or contemplated by our forward-looking statements will in fact occur, and we caution investors not to place undue reliance on these statements. All forward-looking statements in this press release represent our judgment as of the date hereof, and, except as otherwise required by law, we disclaim any obligation to update any forward-looking statements to conform the statement to actual results or changes in our expectations.

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