FOR IMMEDIATE RELEASE

Friday, March 29 - 2019

Lantern Pharma announces multiple presentations at AACR 2019 highlighting advancements of its precision oncology pipeline of therapeutics using their AI-based platform, RADR™, to identify gene signatures that predict potential response of patient's tumor to a drug

NEW YORK, March 29, 2019 -- Lantern Pharma, a clinical stage oncology biotech leveraging A.I. and genomics, announces today that it will be presenting three abstracts at the upcoming American Association for Cancer Research (AACR) Annual Meeting in Atlanta. Lantern Pharma in-licenses and develops therapies using genomic data, machine learning and computational biology modeling to identify the patient groups most likely to respond to the therapy, and to clarify the potential underlying mechanism(s) of action. Lantern Pharma is developing a pipeline of oncology therapeutics, two that are in clinical stages and one that is preclinical, that are being advanced using Lantern's AI platform, RADR™ (Response Algorithm for Drug Positioning and Rescue) for indications in prostate cancer, ovarian cancer and non-small cell lung cancer. Lantern leverages RADR™ in its precision oncology drug development approach, which uses genomics, machine learning and proprietary in-vivo data to rescue, revitalize and develop cancer therapies for patients with high and often unmet clinical needs.

RADR™ is being actively developed by Lantern and leverages over 25 million genomic data points across 120 real world drug-tumor interactions, and Lantern is aggressively expanding the platform with additional real-world data points, tumor specific data sets, proprietary in-vivo experimental

data, and additional validated drug-tumor models. Posters based on the abstracts at AACR will highlight the capability of RADR™ in identifying gene signatures related to favorable response to cancer therapies, and showcase some of the key methods being used by Lantern in the development of patient stratification algorithms and neural network based approaches for machine learning.

Each of the three posters provides a glimpse into Lantern Pharma's dedication to paving a path for the use of AI in precision oncology, where millions of data points have been gathered from real-world clinical data and narrowed down to biologically and statistically meaningful gene signatures. These genomic signatures can then be used to select patients for clinical trials and ensure the highest likelihood of a meaningful clinical response to Lantern's portfolio of drug candidates.

The AACR annual meeting will take place March 29-April 3, 2019, in Atlanta, Georgia, at the Georgia World Congress Center.

POSTER PRESENTATION DETAILS:

Poster One:

"Establishment of a drug-tumor interaction database using Lantern Pharma's Response Algorithm for Drug Positioning and Rescue", presented by Umesh Kathad, M.S.

Sunday, March 31, 2019. 1-5 pm
  Hall B, Georgia World Congress Center
  Bioinformatics and Systems Biology
  Section 30: Convergence Science for Therapeutics and Precision Medicine
  Board 5: Establishment of a drug-tumor interaction database using Lantern Pharma's Response Algorithm for Drug Positioning and Rescue

Poster Two:

"Clinical validation of Lantern Pharma's Response Algorithm for Drug Positioning and Rescue", presented by Yuvanesh Vedaraju, M.S.

Tuesday, April 2, 2019, 8am- 12pm
  Hall B, Georgia World Congress Center
  Clinical Research
  Section 21: Tumor Markers to Assess the Biology and Clinical Course of Cancer 1
  Board 7: Clinical validation of Lantern Pharma's Response Algorithm for Drug Positioning and Rescue

Poster Three:

<u>"Predicting sensitivity to Lantern Pharma's pipeline drug candidate LP-184 using the Response Algorithm for Drug Positioning and Rescue", presented by Aditya Kulkarni, Ph.D.</u>

Wednesday, April 3, 2019, 8-10am
      Hall A, Georgia World Congress Center
      Experimental and Molecular Therapeutics
      Section 13: Novel Antitumor Agents 3
      Board 3: Predicting sensitivity to Lantern Pharma's pipeline drug candidate LP-184 using the Response Algorithm for Drug Positioning and Rescue

Full abstracts for the poster presentations can be found at the AACR annual meeting website, www.aacr.org. They will also be available after the presentations at the Company's website - www.lanternpharma.com.

About Lantern Pharma

Lantern Pharma is a clinical stage biopharmaceutical company innovating the repurposing, revitalization and development of precision therapeutics in oncology. We leverage advances in machine learning, genomics and artificial intelligence by using a proprietary AI platform to discover biomarker signatures that help identify patients more likely to respond to our pipeline of cancer therapeutics. Lantern's focus is to improve the outcome for patients by leveraging our technology to uncover, rescue and develop abandoned or failed drugs. Our current pipeline of three drugs, two in clinical stages and one in preclinical, focuses on cancers that have unique and unmet clinical needs with a clearly defined patient population. We believe that the use of machine learning, genomics and computational methods can help accelerate the revitalization, refocusing and development of small molecule-based therapies. These drugs can be targeted to patients whose genomic profile identifies them as having the highest probability of benefiting from the drug, thereby delivering best-in-class outcomes. Our team seeks out experienced industry partners, world-class scientific advisors and innovative clinical-regulatory approaches to deliver cancer therapies to patients as quickly and efficiently as possible. For more information, please visit the company's website at www.lanternpharma.com or view company updates @lanternpharma.

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