Black Diamond Therapeutics to Present Phase 1 BDTX-189 Data in Advanced Solid Tumors at American Society of Clinical Oncology

April 28, 2021

Initial pharmacokinetic (PK), safety, and preliminary efficacy data from Phase 1 dose-escalation portion of MasterKey-01 clinical trial to be presented

CAMBRIDGE, Mass. and NEW YORK, April 28, 2021 (GLOBE NEWSWIRE) -- Black Diamond Therapeutics, Inc. (Nasdaq: BDTX), a precision oncology medicine company pioneering the discovery and development of small molecule, MasterKey therapies, today announced that initial PK, safety, and preliminary efficacy data from the Phase 1 dose-escalation portion of the MasterKey-01 trial of BDTX-189 in patients with advanced solid tumors will be presented at the 2021 American Society of Clinical Oncology (ASCO) Annual Meeting, taking place June 4-8, 2021.

Presentation details are as follows:

Title: Safety and Preliminary Efficacy from the Phase 1 Portion of MasterKey-01: A First-in-Human Dose-Escalation Study to Determine the Recommended Phase 2 Dose (RP2D), Pharmacokinetics (PK), and Preliminary Antitumor Activity of BDTX-189, an Inhibitor of Allosteric ErbB mutations, in Patients with Advanced Solid Malignancies
Session Type: Poster Session
Session: Developmental Therapeutics – Molecularly Targeted Agents and Tumor Biology
Date and Time: Friday, June 4, 9:00 AM ET
Abstract ID: 3086

Title: Clinical pharmacokinetics of BDTX-189, an inhibitor of allosteric ErbB mutations, in patients with advanced solid malignancies in MasterKey-01 study
Session Type: Poster Session
Session: Developmental Therapeutics – Molecularly Targeted Agents and Tumor Biology
Date and Time: Friday, June 4, 9:00 AM ET
Abstract ID: 3097

Full abstracts will be published online at 5:00 PM ET on May 19, 2021 on the ASCO website at www.asco.org.

About BDTX-189
BDTX-189 is an orally available, irreversible, and ATP competitive small molecule inhibitor that is designed to block the function of a family of oncogenic epidermal growth factor receptor (EGFR) and ErbB-2 (epidermal growth factor receptor 2 [HER2]) proteins across a range of tumor types. BDTX-189 is designed as a MasterKey inhibitor targeting a family of previously undrugged and functionally similar oncogenic mutations in a tumor-agnostic manner. These mutations include extracellular domain allosteric mutations of HER2, as well as EGFR and HER2 kinase domain Exon 20 insertions, and additional activating oncogenic drivers of ErbB. The ErbB receptors are a group of receptor tyrosine kinases involved in key cellular functions, including cell growth and survival. BDTX-189 is also designed to spare normal, or wild-type, EGFR, which we believe has the potential to improve upon the toxicity profiles of current ErbB kinase inhibitors. Currently, there are no medicines approved by the U.S. Food and Drug Administration (FDA) to target all of these oncogenic mutations with a single therapy.

BDTX-189 is currently being evaluated in a Phase 1/2 clinical trial (MasterKey-01) in adult patients with advanced solid tumors expressing a range of alterations of ErbB receptors, including oncogenic MasterKey mutations, HER2-WT amplification, HER3 mutation, EGFR exon 19 deletion, and L858R mutation who have no standard therapy available or for whom standard therapy is considered unsuitable or intolerable. In July 2020, the FDA granted Fast Track designation to BDTX-189 for the treatment of adult patients with solid tumors harboring an allosteric HER2 mutation or an EGFR or HER2 Exon 20 insertion mutation who have progressed following prior treatment and who have no satisfactory treatment options.

About Black Diamond
Black Diamond Therapeutics is a precision oncology medicine company pioneering the discovery of small molecule, MasterKey therapies. Black Diamond targets undrugged mutations in patients with genetically defined cancers. Black Diamond is built upon a

deep understanding of cancer genetics, protein structure and function, and medicinal chemistry. The Company's proprietary technology platform and drug discovery engine, Mutation-Allostery-Pharmacology, or MAP, platform, is designed to allow Black Diamond to analyze population-level genetic sequencing data to identify oncogenic mutations that promote cancer across tumor types, group these mutations into families, and develop a single small molecule therapy in a tumor-agnostic manner that targets a specific family of mutations, termed a MasterKey therapy. Black Diamond was founded by David M. Epstein, Ph.D., and Elizabeth Buck, Ph.D. For more information, please visit www.blackdiamondtherapeutics.com.

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