Caribou Biosciences to Present Preclinical Data Supporting Development of CB-010 for Lupus at the American College of Rheumatology Convergence 2024

September 25, 2024

BERKELEY, Calif., Sept. 25, 2024 (GLOBE NEWSWIRE) -- Caribou Biosciences, Inc. (Nasdaq: CRBU), a leading clinical-stage CRISPR genome-editing biopharmaceutical company, today announced an abstract has been accepted for a poster presentation at the American College of Rheumatology (ACR) Convergence 2024, which will be held November 14-19, 2024 in Washington, DC.

The poster will highlight the preclinical data and key elements of the clinical trial design that supported the investigational new drug (IND) clearance to evaluate CB-010 in the GALLOP Phase 1 clinical trial in patients with lupus nephritis (LN) and extrarenal lupus (ERL). Details of the poster presentation are as follows:

Title: Preclinical Analysis of CB-010, an Allogeneic anti-CD19 CAR-T Cell Therapy with a PD-1 Knockout, for the Treatment of Patients with Refractory Systemic Lupus Erythematosus (SLE)
Presenter: Elizabeth Garner, PhD, executive director of T cell therapeutics and translational sciences laboratory, Caribou Biosciences
Date and time: Saturday, November 16, 2024, 10:30 am-12:30 pm EST
Session: B cell biology & targets in autoimmune & inflammatory disease poster
Location: Walter E. Washington Convention Center, Washington, DC
Abstract number: 0018

2024 ACR Convergence abstracts will be published at www.acrabstracts.org and the poster presentation will be available on Caribou's Scientific Publications webpage on Thursday, November 14, 2024 at 10:00 am EST.

About CB-010
CB-010 is the lead clinical-stage product candidate from Caribou's allogeneic CAR-T cell therapy platform, and it is being evaluated in patients with relapsed or refractory B cell non-Hodgkin lymphoma (r/r B-NHL) in the ongoing ANTLER Phase 1 clinical trial and will be evaluated in patients with lupus nephritis (LN) and extrarenal lupus (ERL) in the GALLOP Phase 1 clinical trial. To Caribou's knowledge, CB-010 is the first allogeneic CAR-T cell therapy in the clinic with a PD-1 knockout, a genome-editing strategy designed to improve CAR-T cell activity by limiting premature CAR-T cell exhaustion. The FDA granted CB-010 Regenerative Medicine Advanced Therapy (RMAT) and Orphan Drug designations for B-NHL and Fast Track designations for both B-NHL and refractory systemic lupus erythematosus (SLE). Additional information on the ANTLER trial (NCT04637763) can be found at clinicaltrials.gov.

About Caribou's Novel Next-Generation CRISPR Platform
CRISPR genome editing uses easily designed, modular biological tools to make DNA changes in living cells. There are two basic components of Class 2 CRISPR systems: the nuclease protein that cuts DNA and the RNA molecule(s) that guide the nuclease to generate a site-specific, double-stranded break, leading to an edit at the targeted genomic site. The potential for CRISPR systems to edit at unintended genomic sites, known as off-target editing, may lead to harmful effects on cellular function and phenotype. In response to this challenge, Caribou has developed CRISPR hybrid RNA-DNA guides (chRDNAs; pronounced "chardonnays") that direct substantially more precise genome editing compared to all-RNA guides. Caribou is deploying the power of its chRDNA technology to carry out high efficiency multiple edits, to develop CRISPR-edited therapies.

About Caribou Biosciences, Inc.
Caribou Biosciences is a clinical-stage CRISPR genome-editing biopharmaceutical company dedicated to developing transformative therapies for patients with devastating diseases. The company's genome-editing platform, including its Cas12a chRDNA technology, enables superior precision to develop cell therapies that are armored to potentially improve activity against disease. Caribou is advancing a pipeline of off-the-shelf cell therapies from its CAR-T platform as readily available treatments for patients with hematologic malignancies and autoimmune diseases. Follow us @CaribouBio and visit www.cariboubio.com.

Forward-looking statements
This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. In some cases, you can identify forward-looking statements by terms such as "may," "will," "should," "expect," "plan," "anticipate," "could," "intend," "target," "project," "contemplate," "believe," "estimate," "predict," "potential," or "continue," or the negative of these terms or other similar expressions, although not all forward-looking statements contain these words. These forward-looking statements include, without limitation, statements related to Caribou's strategy, plans, and objectives, and expectations regarding its clinical development programs, including its expectations relating to development, regulatory approval, results, and the timing of and updates from its ANTLER Phase 1 clinical trial for CB-010, and its GALLOP Phase 1 clinical trial for CB-010. Management believes that these forward-looking statements are reasonable as and when made. However, such forward-looking statements are subject to risks and uncertainties, and actual results may differ materially from any future results expressed or implied by the forward-looking statements. Risks and uncertainties include, without limitation, risks inherent in the development of cell therapy products; uncertainties related to the initiation, cost, timing, progress, and results of Caribou's current and future research and development programs, preclinical studies, and clinical trials; and the risk that initial, preliminary, or interim clinical trial data will not ultimately be predictive of the safety and efficacy of Caribou's product candidates or that clinical outcomes may differ as patient enrollment continues and as more patient data becomes available; the risk that preclinical study results observed will not be borne out in human patients or different conclusions or considerations are reached once additional data have been received and fully evaluated; the ability to obtain key regulatory input and approvals; as well as other risk factors described from time to time in Caribou's filings with the Securities and Exchange Commission, including its Annual Report on Form 10-K for the year ended December 31, 2023 and subsequent filings. In light of the significant uncertainties in these forward-looking statements, you should not rely upon forward-looking statements as predictions of future events. Except as required by law, Caribou undertakes no obligation to update publicly any forward-looking statements for any reason.

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