



Caribou Biosciences to Present Preclinical Data on CB-012, an Allogeneic Anti-CLL-1 CAR-T Cell Therapy, at the American Association for Cancer Research (AACR) Annual Meeting

March 5, 2024

BERKELEY, Calif., March 05, 2024 (GLOBE NEWSWIRE) -- Caribou Biosciences, Inc. (Nasdaq: CRBU), a leading clinical-stage CRISPR genome-editing biopharmaceutical company, today announced that preclinical data from CB-012, an allogeneic anti-CLL-1 CAR-T cell therapy for the treatment of relapsed or refractory acute myeloid leukemia (r/r AML), will be presented as a poster at the upcoming American Association for Cancer Research (AACR) Annual Meeting 2024, held April 5-10, 2024 in San Diego.

Details of the poster presentation are as follows:

Title: Preclinical evaluation of CB-012, an allogeneic anti-CLL-1 CAR-T cell therapy, that exhibits specific and potent cytotoxicity in acute myeloid leukemia (AML) xenograft models

Presenter: Brian Francica, PhD

Date and time: Tuesday, April 9, 2024, 1:30 - 5:00 pm PT

Session: Adoptive Cellular Therapy 2

Location: San Diego Convention Center, poster section 40, poster board 14

Abstract number: 6323

The poster will be available on the [Scientific Publications](#) page of Caribou's website on Tuesday, April 9, 2024 at 1:30 pm PT.

About CB-012

CB-012 is a product candidate from Caribou's allogeneic CAR-T cell therapy platform being evaluated in the AMPLify Phase 1 clinical trial in patients with relapsed or refractory acute myeloid leukemia (r/r AML). CB-012 is an anti-CLL-1 CAR-T cell therapy engineered with five genome edits, enabled by Caribou's patented next-generation CRISPR technology platform, which uses Cas12a chRDNA genome editing to significantly improve the specificity of genome edits. To Caribou's knowledge, CB-012 is the first allogeneic CAR-T cell therapy with both checkpoint disruption, through a PD-1 knockout, and immune cloaking, through a B2M knockout and B2M-HLA-E fusion protein insertion; both armoring strategies are designed to improve antitumor activity. Additional information on the AMPLify trial (NCT06128044) 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. CRISPR systems are capable of editing unintended genomic sites, known as off-target editing, which may lead to harmful effects on cellular function and phenotype. In response to this challenge, Caribou has developed CRISPR hybrid RNA-DNA guides (chRDNA; pronounced "chardonnays") that direct substantially more precise genome editing compared to all-RNA guides. Caribou is deploying the power of its Cas12a chRDNA technology to carry out high efficiency multiple edits, including multiplex gene insertions, 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 antitumor activity. Caribou is advancing a pipeline of off-the-shelf cell therapies from its CAR-T and CAR-NK platforms as readily available treatments for patients with hematologic malignancies and solid tumors. 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. These forward-looking statements include, without limitation, statements related to Caribou's strategy, plans, and objectives, and expectations regarding its clinical and preclinical development programs, including its expectations relating to the AMPLify Phase 1 clinical trial for CB-012. 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, 2022 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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