October 14, 2025

Cellectar Biosciences Presented Promising Preclinical Data in Poster Presentation at the American Association for Cancer Research (AACR) Special Conference on Pancreatic Cancer Research

CLR 225 (225Ac-phospholipid ether) Demonstrates Meaningful Inhibition of Tumor Growth and Potential Survival Benefit In Three Pancreatic Cancer Xenograft Models

FLORHAM PARK, N.J., Oct. 14, 2025 (GLOBE NEWSWIRE) -- Cellectar Biosciences, Inc. (NASDAQ: CLRB), a late-stage clinical biopharmaceutical company focused on the discovery and development of drugs for the treatment of cancer, today announced that Jarrod Longcor, chief operating officer of Cellectar, presented positive preclinical data in a poster at the American Association for Cancer Research (AACR) Special Conference on Pancreatic Cancer Research that took place from September 28 through October 1, 2025, in Boston, Massachusetts. The poster highlighted preclinical data from CLR 121225 (CLR 225), the Company's novel actinium-based radio conjugate alpha-emitter for treatment in pancreatic ductal adenocarcinoma (PDAC). CLR 225 has completed Investigational New Drug (IND)-enabling studies, and the company maintains the option to advance into a Phase 1 study.

"We were honored to present these preclinical data before a distinguished audience of oncology professionals. The novel mechanism of action of our phospholipid ethers may enable us to more effectively target and eradicate diverse tumor cell populations and, importantly, penetrate the dense, collagen-rich extracellular matrix that characterizes pancreatic cancer. By overcoming this major barrier to therapeutic delivery, we hope to address one of the fundamental reasons pancreatic tumors remain so refractory to standard treatments and ultimately improve patient outcomes," said Jarrod Longcor, chief operating officer of Cellectar. "These results showcase the robust anti-tumor activity, selective biodistribution, and impressive uptake of CLR 225 in multiple pancreatic cancer tumor models. The data strongly support the therapeutic potential of CLR 225."

A series of studies evaluated three separate pancreatic cancer xenograft models (PANC-1, MIA PaCa-2 human pancreatic carcinoma cells and BxPC-3 tumor fragments) treated with CLR 225 at multiple doses. CLR 225 was deemed safe and well-tolerated at all dosing levels with no changes in body weight or loss of animals. Notably, all three xenograft models treated with CLR 225 demonstrated either meaningful inhibition of tumor growth or reduction

in tumor volume, depending on the dose, with potential survival benefit following treatment as tumor growth post treatment was significantly diminished.

Additional pharmacokinetic studies showed excellent biodistribution of CLR 225, indicating predictable behavior with dose linearity, which can assist with future estimation of a likely efficacious dose. Furthermore, in preparation for Phase 1 first-in-human studies, the poster presented data on CLR 225 in various GLP toxicity studies where no toxicities to the compound were noted.

The poster can be accessed on the Company's website here.

About Pancreatic Ductal Adenocarcinoma
Advanced pancreatic ductal adenocarcinoma (PDAC) is a devastating disease, with less than 10% survival after five years. There are an estimated 67,500 new pancreatic cancer cases in the U.S. each year and PDAC accounts for approximately 90% of these cases, or ~60,700 new PDAC cases annually. Most patients are diagnosed at an advanced stage, which means that between 80%-90% of PDAC patients (~48,000-54,000 patients annually, per the Surveillance, Epidemiology, and End Results (SEER) database) are likely to have advanced disease at diagnosis.

PDACs exhibit a hypoxic environment, resulting in tumor cells employing lipid rafts to transport lipids into the cells. CLR 225 is designed to target lipid rafts and deliver treatment to the tumor cell.

About Cellectar Biosciences, Inc.
Cellectar Biosciences is a late-stage clinical radiopharmaceutical company focused on the discovery and development of proprietary drugs for the treatment of cancer. The company's core objective is to leverage its proprietary Phospholipid Drug Conjugate™ (PDC) delivery platform to develop the next-generation of cancer cell-targeting treatments that deliver improved efficacy and better safety.

The company's product pipeline includes its lead assets: iopofosine I 131, a PDC designed to provide targeted delivery of iodine-131 (radioisotope) for the treatment of hematologic and solid tumor cancers such as Waldenstrom's macroglobulinemia (WM) and pediatric high grade gliomas; CLR 121125, an iodine-125 Auger-emitting program targeting solid tumors, such as triple negative breast, lung and colorectal cancers; CLR 121225, an actinium-225 based program targeting solid tumors with significant unmet need, such as pancreatic cancer; and proprietary preclinical PDC chemotherapeutic programs and multiple partnered PDC assets.

Iopofosine I 131 has been studied in Phase 2b trials for relapsed or refractory WM and multiple myeloma (MM), non-Hodgkin's lymphomas and central nervous system (CNS) lymphoma, and the CLOVER-2 Phase 1b study, targeting pediatric patients with high-grade gliomas, for which Cellectar is eligible to receive a Pediatric Review Voucher from the FDA upon approval. The FDA has granted iopofosine I 131 Breakthrough Designation, six Orphan Drug, four Rare Pediatric Drug and two Fast Track Designations for various cancer indications. The European Medicines Agency (EMA) has also granted PRIME and orphan drug designations for the treatment of WM.

For more information, please visit www.cellectar.com or join the conversation by liking and following us on the company's social media channels: X, LinkedIn, and Facebook.

Forward Looking Statements Disclaimer
This news release contains forward-looking statements. You can identify these statements by our use of words such as “may,” “expect,” “believe,” “anticipate,” “intend,” “could,” “estimate,” “continue,” “plans,” or their negatives or cognates. These statements are only estimates and predictions and are subject to known and unknown risks and uncertainties that may cause actual future experience and results to differ materially from the statements made. These statements are based on our current beliefs and expectations as to such future outcomes. Drug discovery and development involve a high degree of risk. Factors that might cause such a material difference include, among others, uncertainties related to the FDA and EMA regulatory pathways, ability to execute strategic alternatives, identify suitable collaborators, partners, licensees or purchasers for our product candidates and, if we are able to do so, to enter into binding agreements with regard to any of the foregoing, or to raise additional capital to support our operations, or our ability to fund our operations if we are unsuccessful with any of the foregoing. A complete description of risks and uncertainties related to our business is contained in our periodic reports filed with the Securities and Exchange Commission including our Form 10-K for the year ended December 31, 2024, and our Form 10-Q for the quarterly period ending June 30, 2025. These forward-looking statements are made only as of the date hereof, and we disclaim any obligation to update any such forward-looking statements.

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