



Corporate Presentation

NASDAQ: CLRB

October 2025

Forward-Looking Statements and Disclaimers

This presentation contains forward-looking statements. Such statements are valid only as of today, and we disclaim any obligation to update this information. These statements are only estimates and predictions and are subject to known and unknown risks and uncertainties that may cause actual future experiences and results to differ materially from the statements made. These statements are based on our current beliefs and expectations as to such future outcomes. Factors that might cause such a material difference include our ability to pursue strategic alternatives; our current views with respect to our business strategy, business plan and research and development activities; the progress of our product development programs, including clinical testing and the timing of commencement and results thereof; our projected operating results, including research and development expenses; our ability to continue development plans for CLR 121225, CLR 121125, CLR 1900 series, CLR 2000 series, and iopofosine I 131 (also known as CLR 131 or iopofosine); our ability to continue development plans for our Phospholipid Drug Conjugates (PDC); our ability to maintain orphan drug designation in the U.S. for iopofosine as a therapeutic for the treatment of lymphoplasmacytic lymphoma/Waldenström macroglobulinemia multiple myeloma, neuroblastoma, osteosarcoma, rhabdomyosarcoma, and Ewing's sarcoma, and the expected benefits of orphan drug status; any disruptions at our suppliers; our ability to advance our technologies into product candidates; our enhancement and consumption of current resources along with ability to obtain additional funding; our current view regarding general economic and market conditions, including our competitive strengths; uncertainty and economic instability resulting from conflicts, military actions, terrorist attacks, natural disasters, public health crises, including the occurrence of a contagious disease or illness, cyber-attacks and general instability; the future impacts of legislative and regulatory developments in the United States on the pricing and reimbursement of our product candidates; our ability to meet the continued listing standards of Nasdaq; assumptions underlying any of the foregoing; any other statements that address events or developments that we intend or believe will or may occur in the future; our ability to receive NDA approval for our iopofosine I 131 program and our ability to commercially manufacture and launch our product candidate if we receive regulatory approval. A complete description of risks and uncertainties related to our business is contained in our current and periodic reports filed with the Securities and Exchange Commission, including our Form 10-K for the year ended December 31, 2024, and our subsequent reports on Form 10-Q.

This presentation includes industry and market data that we obtained from industry publications and journals, third-party studies and surveys, internal company studies and surveys, and other publicly available information. Industry publications and surveys generally state that the information contained therein has been obtained from sources believed to be reliable. Although we believe the industry and market data to be reliable as of the date of this presentation, this information could prove to be inaccurate. Industry and market data could be wrong because of the method by which sources obtained their data and because information cannot always be verified with complete certainty due to the limits on the availability and reliability of raw data, the voluntary nature of the data-gathering process, and other limitations and uncertainties. In addition, we do not know all of the assumptions that were used in preparing the forecasts from the sources relied upon or cited therein.

Collectar: Overview

Discovering and Developing the Next Generation of Phospholipid Drug Conjugates (PDC's)

- **Validated PDC platform possessing the capacity to deliver a broad array of oncology therapeutic modalities; capable of conjugating any radioisotope to target solid and hematologic tumors**
 - Streamlines and overcomes typical drug conjugate development challenges
 - Phase 1b/2a ready Auger emitting therapeutic for TNBC
 - Finalizing IND package for CLR 225 (actinium) program for Phase 1 solid tumor study
 - Preclinical data with targeted radiotherapies including Lu177, Pb212, and At211
- **Phospholipid Radioconjugate (PRC), iopofosine I 131 – confirmatory study ready**
 - Statistically significant Phase 2b CLOVER WaM primary endpoint in Waldenstrom's macroglobulinemia (WM)
 - Granted U.S. FDA Breakthrough Therapy and EU EMA PRIME designations
 - EU conditional market authorization (CMA) eligibility confirmed by Scientific Advice Working Party – Oct 2025
 - Preparing EU CMA submission & U.S. FDA accelerated approval application utilizing Phase 2b CLOVER WaM

Assets Provide Potential for Strategic Partnerships Supporting Execution of Corporate Vision and Enhancing Stockholder Value

Cellectar's Formula for Value Creation

Strategic Growth and Expansion

- **Leverage novel PDC platform - Advance into Phase 1 solid tumor studies**
 - CLR 125 pursuing triple negative breast cancer ~ r/r global market potential ~\$11B
 - CLR 225 initially pursuing pancreatic cancer, ~ r/r global market potential ~\$10B
 - Thoughtful investment in preclinical program development
- **Optimize WM regulatory strategy for iopofosine I 131**
 - Submit CMA application (Q2-Q3) to European Medicines Agency; potential EU commercialization mid 2027
 - Phase 3 confirmatory study supports accelerated approval in US (pre-filing) potential approval in 2027
- **Complete US and EU iopofosine I 131 development and commercialization partnerships**
- **Secure additional platform collaborations for accelerated asset development and non-dilutive funding**
- **Radiotherapeutic manufacturing and supply chain infrastructure creates a competitive advantage**
- **Extensive IP portfolio; radio-conjugates, small molecules, oligonucleotide payloads and linker technology**

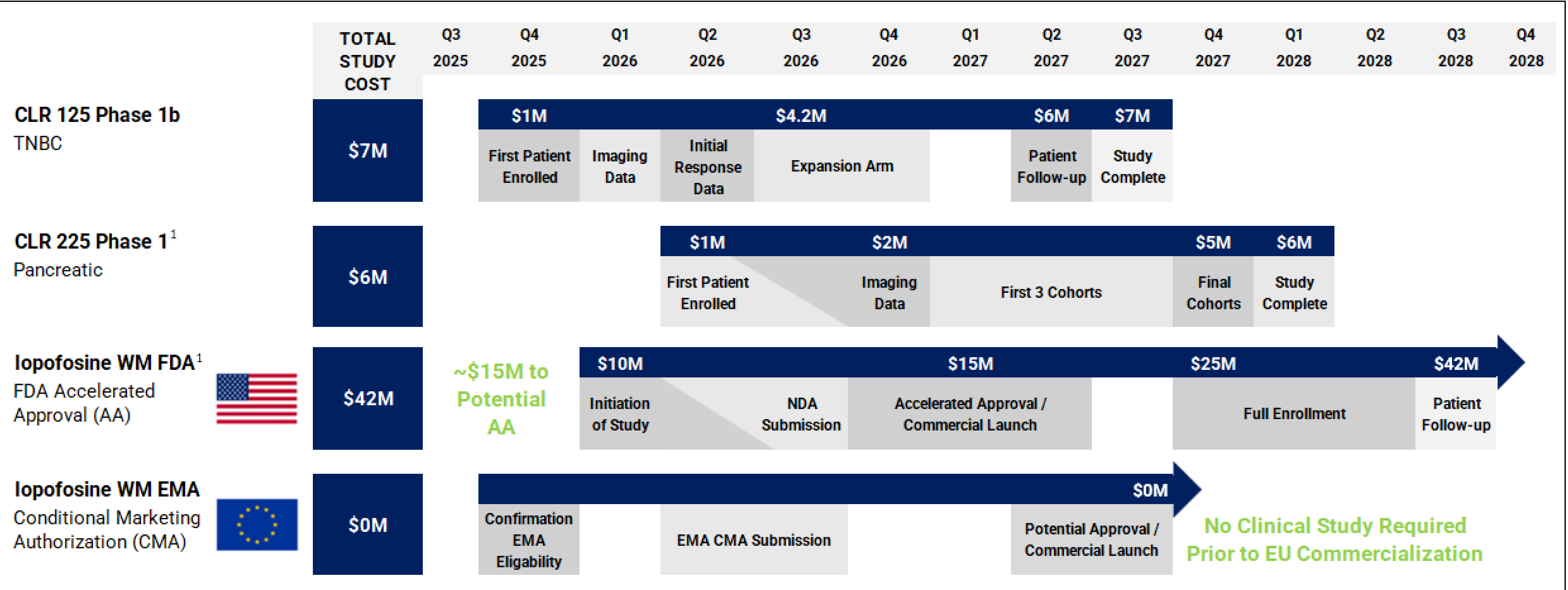
PDC Platform: Pipeline

Compound	Disease State	Preclinical	Phase 1	Phase 2	Phase 3
Iopofosine I 131 Iodine-131 β-emitting radioconjugate	Waldenström macroglobulinemia	Clover WaM Phase 2 Study r/r WM			 CONDITIONAL MARKET AUTHORIZATION APPROVAL  ACCELERATED APPROVAL
	b-cell Malignancies	DLBCL, MM & NHL			
	Pediatric High-grade Glioma	Phase 1b			
CLR 121125 Iodine-125 Auger-emitting radioconjugate	Solid Tumor - TNBC	Phase 1b – 2a Ready			
CLR 121225 Actinium-225 α-emitting radioconjugate	Solid Tumor - Pancreatic	Phase 1a/b Ready			
Early Pipeline	Alpha Emitters (²¹¹ At, ²¹² Pb, ²²³ Ra)	Phase 1 Ready			
	Beta Emitters (¹⁷⁷ Lu, ⁹⁰ Y, ⁶⁷ Cu)	IND Enabling			



PDC Platform: Milestones

Defined Global Regulatory Pathway for Iopofosine in WM



FDA Approval Rate for Oncology Drugs with BTD is 79%,²
EMA Approval Rate 80% with Confirmation of CMA Eligibility³

Phospholipid Drug Conjugate (PDC)

Platform Mechanism of Action (MOA)

PDC Platform: Therapeutic Modalities

Near Term Focus on Radiotherapeutics

THERAPUTIC MODALITIES	CONJUGATES	ONCOLOGY PAYLOADS
Radioconjugate (PRC)	→ Radioconjugate • Targeted delivery of any radioisotope • Auger, alpha and beta emitters • Iopofosine I 131 - confirmatory study	• Beta emitter (¹³¹I, ¹⁷⁷Lu, ⁹⁰Y, ⁶⁷Cu, etc.) • Alpha emitter (²¹¹At, ²²⁵Ac, ²²³Ra, ²¹³Bi, etc.) • Auger emitter (¹²⁵I, ¹²³I, ²⁰¹Tl, etc.) • Additional isotopes (¹⁵³Gd, ⁶⁷Ga, etc.)
Cytotoxic Molecule (PCC)	→ Small-molecule Conjugates • Observed in vivo tolerability and activity in multiple animal models • Pico and nanomolar activity	• PLK-1 • Seco-duba • MMAF • Collaboration - undisclosed target
Biologics (PPC)	→ Peptide and Nanobody Conjugates • Targeting intracellular pathways that cannot be targeted with small molecules	• Ribosomal peptide • Protein inhibitors • Collaboration - undisclosed target
Nucleic Acid (POC)	→ Oligo Conjugates • Intracellular delivery of nucleic acids providing knockdown or knock-in gene control in cancer cells	• RNAi-/siRNA • mRNA • cDNA • Collaboration - undisclosed target

Extensive Intellectual Property Portfolio; Radio-Conjugates, Small Molecules, Oligonucleotide Payloads and Linker Technology

Phospholipid Radioconjugate (PRC) Program

Manufacturing and Distribution

Phospholipid Radioconjugate (PRC) Program

Auger Emitter

Phospholipid Radioconjugate (PRC) Program

Alpha Emitters

Phospholipid Radioconjugate (PRC) Program

Other Emitters:

Astatine (^{211}At)

Lead (^{212}Pb)

Lutetium (^{177}Lu)

Phospholipid Radioconjugate (PRC) program

Beta Emitter

Iopofosine I 131

Waldenstrom Macroglobulinemia

Phospholipid Radioconjugate (PRC) program

Beta Emitter

Iopofosine I 131

Additional Indications

