ME Therapeutics advances in vivo CAR and therapeutic mRNA STING programs

VANCOUVER, B.C., September 8, 2026 — ME Therapeutics Holdings Inc. ("ME Therapeutics" or the "Company") (CSE: METX) (FSE: Q9T), a publicly listed biotechnology company developing novel cancer fighting drugs that reprogram and redirect immune cells to fight cancer, is pleased to provide a comprehensive update on its in vivo CD19/CD22-targeted chimeric antigen receptor (CAR) program, therapeutic mRNA STING program, and ongoing corporate initiatives.

In Vivo CAR Program

ME Therapeutics has successfully advanced its in vivo CAR pipeline to yield two differentiated lead constructs, each engineered with a distinct approach to targeting both CD19 and CD22 to treat certain blood cancers and autoimmune diseases.

The dual-targeting approach provides a route to more effectively target cancer cells that may have lost CD19 expression to escape immune recognition. The first configuration utilizes a co-expression strategy featuring two separate CARs: one targeting CD19 and a second, dual-targeting construct directed at CD22. The second configuration is a single, tandem CAR that fuses a CD19-targeting single-chain variable fragment (scFv) directly to a CD22-targeting single-domain antibody (VHH).

The company is conducting head-to-head preclinical testing of these two configurations to evaluate their comparative expression and functional profiles. Data generated from this comparative analysis will inform the selection of a final candidate. Once selected, the candidate will be formulated into T cell-targeting lipid nanoparticles (LNPs) for effective in vivo mRNA delivery.

ME Therapeutics expects to finalize its candidate selection and advance into the LNP formulation phase in Q4 2026.

Therapeutic mRNA STING Program

ME Therapeutics has also made advancements in its therapeutic mRNA program targeting the scientifically validated STING (Stimulator of Interferon Genes) pathway.

The company has successfully progressed the development of a novel liver-detargeted STING mRNA formulation. This detargeted formulation is designed to restrict STING activation in the liver and focus expression more heavily within the tumor microenvironment. In vitro testing of this new sequence has demonstrated a significant decrease in STING protein expression in a human hepatocyte cell line whereas expression in non-hepatocyte cells remains relatively unchanged. Greater tumor specificity aims to increase safety and specificity by minimizing potential systemic

side effects while driving a potent anti-cancer immune response. The next step will be to formulate this therapeutic mRNA into an LNP for in vivo testing.

Proposed NASDAQ Listing

On the corporate front, ME Therapeutics continues to execute its strategy with the goal of securing a listing on the NASDAQ exchange. The company is actively working with its U.S. counsel and is in the process of addressing the initial round of comments on its draft F-1 registration statement.

"We are highly encouraged by the rapid advancement of our in vivo CAR program and the successful engineering of these two sophisticated CD19/CD22-targeted constructs," said Salim Dhanji, PhD, CEO of ME Therapeutics. "By rigorously comparing a dual-CAR approach against a fused single-CAR design, we are working to ensure our final candidate possesses an optimal profile for target engagement. By targeting both CD19 and CD22 using clinically tested binders, we believe our approach is differentiated from our competitors. Furthermore, the progression of our liver-detargeted STING therapeutic mRNA program highlights our commitment to maximizing the safety and efficacy of our next-generation immunotherapies. Alongside our scientific milestones, our ongoing dialogue with the SEC regarding our draft F-1 statement represents progress forward in our pathway to a NASDAQ listing, which we anticipate will expand our investor base and support our long-term growth."

About ME Therapeutics
ME Therapeutics is a publicly listed biotechnology company based in Vancouver focused on developing novel therapeutics designed to reprogramme immune cells in vivo to reshape the tumour microenvironment and to directly recognize and kill cancer cells. For more information, visit www.metherapeutics.com

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