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Fred Hutchinson Cancer Research Center, in Partnership with Sutro Biopharma, to Present at ASH 2021

Nonclinical data for STRO-002 and STRO-001 are shared in two oral presentations at the 63rd American Society of Hematology Annual Meeting

SOUTH SAN FRANCISCO, Calif, Dec. 13, 2021 /PRNewswire/ -- Sutro Biopharma, Inc. (NASDAQ: STRO), a clinical-stage drug discovery, development and manufacturing company focused on the application of precise protein engineering and rational design to create next-generation cancer and autoimmune therapeutics, today announced that its research collaborators at the Fred Hutchinson Cancer Research Center presented nonclinical data of STRO-002 and STRO-001 in two oral presentations at the 63rd American Society of Hematology Annual Meeting (ASH 2021) in Atlanta, Georgia. The research was conducted by investigators from the laboratory of Soheil Meshinchi, M.D., Ph.D., Professor, Clinical Research Division at Fred Hutchinson Cancer Research Center and Professor, Division of Pediatric Hematology-Oncology at the University of Washington School of Medicine.

Dr. Meshinchi commented, "Using a computational approach, we have identified FOLR1, or FolRα, as an actionable target for high-risk pediatric AML; and CD74 as an actionable target in adult and pediatric AML and ALL. We further demonstrated that STR0-002 effectively targets a high-risk AML subtype and STRO-001 effectively targets AML and ALL cells that express CD74, providing promising nonclinical data for possible treatment options."

Nonclinical data was presented by Quy Le, Ph.D., Staff Scientist, Meshinchi Lab, Fred Hutchinson Cancer Research Center on Sutro's folate receptor alpha (FOLR1 or FolRα) -targeting antibody-drug conjugate (ADC), STRO-002, as a potential therapeutic in a rare pediatric acute myeloid leukemia (AML) subtype expressing FolRα. RNA-sequencing data demonstrated that FOLR1 is uniquely expressed in CBFA2T3-GLIS2 fusion (CBF/GLIS) AML and absent in other AML subtypes and normal hematopoietic cell populations. Data from an AML cell line engineered to express FOLR1 and CBF/GLIS-transduced cord blood hematopoietic stem/progenitor cells (CB HSPCs) demonstrated high cytotoxicity of STRO-002. In FOLR1 positive and CBF/GLIS-transduced CB HSPCs xenograft models, STRO-002 demonstrated potent activity that led to complete leukemia clearance.

Nonclinical data was also presented by Quy Le, Ph.D., Staff Scientist, Meshinchi Lab, Fred Hutchinson Cancer Research Center on Sutro's CD74-targeting ADC, STRO-001, as a potential therapeutic in AML and acute lymphoblastic leukemia (ALL). Data from AML and ALL cell lines, as well as from nonclinical xenograft models, demonstrated robust in vitro and in vivo cytotoxicity of STRO-001 on cells expressing high- to -moderate levels of CD74, with

no cytotoxicity observed in cells without CD74 expression. Potent anti-leukemia activity was also demonstrated in three primary AML patient samples with varied CD74 expression levels.

Dr. Arturo Molina, Sutro's Chief Medical Officer added, "These nonclinical data presented by collaborators at Fred Hutchinson Cancer Research Center demonstrates the potential of targeted ADCs as therapeutics for AML and ALL. These data provide additional validation for an FolRα- and CD74-antigen directed approach, as our clinical studies for STRO-002 in ovarian and endometrial cancers and STRO-001 in B cell malignancies, respectively, continue to enroll patients."

About Sutro Biopharma
Sutro Biopharma, Inc., located in South San Francisco, is a clinical-stage drug discovery, development and manufacturing company. Using precise protein engineering and rational design, Sutro is advancing next-generation oncology therapeutics.

Sutro's proprietary and integrated cell-free protein synthesis platform XpressCF® and site-specific conjugation platform XpressCF+™ led to the discovery of STRO-001 and STRO-002, Sutro's first two internally-developed ADCs. STRO-001 is a CD74-targeting ADC currently under investigation in a Phase 1 clinical trial for patients with advanced B-cell malignancies and was granted Orphan Drug Designation by the FDA for multiple myeloma. STRO-002, a folate receptor alpha (FolRα)-targeting ADC, is currently being investigated in a Phase 1 clinical trial for patients with ovarian and endometrial cancers and was granted Fast Track designation by the FDA for ovarian cancer. A third product candidate, CC-99712, a BCMA-targeting ADC, which is part of Sutro's collaboration with Bristol Myers Squibb, formerly Celgene Corporation, is enrolling patients for its Phase 1 clinical trial of patients with multiple myeloma and has received Orphan Drug Designation from the FDA. A fourth product candidate, M1231, a MUC1-EGFR, first-in-class bispecific ADC, which is part of Sutro's collaboration with Merck KGaA, Darmstadt, Germany, known as EMD Serono in the U.S. and Canada (EMD Serono), is enrolling patients for its Phase 1 clinical trial of patients with metastatic solid tumors, non-small cell lung cancer (NSCLC) and esophageal squamous cell carcinoma. These four product candidates resulted from Sutro's XpressCF® and XpressCF+™ technology platforms. Bristol Myers Squibb and EMD Serono have worldwide development and commercialization rights for CC-99712 and M1231, respectively, for which Sutro is entitled to milestone or contingent payments and tiered royalties.

Sutro is dedicated to transforming the lives of cancer patients by creating medicines with improved therapeutic profiles for areas of unmet need. To date, Sutro's platform has led to ADCs, bispecific antibodies, cytokine-based immuno-oncology therapies, and vaccines directed at precedented targets in clinical indications where the current standard of care is suboptimal.

The platform allows it to accelerate discovery and development of potential first-in-class and best-in-class molecules through rapid and systematic evaluation of protein structure-activity relationships to create optimized homogeneous product candidates. In addition to developing its own oncology pipeline, Sutro is collaborating with select pharmaceutical and biotechnology companies to discover and develop novel, next-generation therapeutics.

Follow Sutro on Twitter, @Sutrobio, and at www.sutrobio.com to learn more about our passion for changing the future of oncology.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, including, but not limited to, anticipated preclinical and clinical development activities, timing of announcements of clinical results, potential benefits of the Company's product candidates and platform, potential future milestone and royalty payments, and potential market opportunities for the Company's product candidates. All statements other than statements of historical fact are statements that could be deemed forward-looking statements. Although the Company believes that the expectations reflected in such forward-looking statements are reasonable, the Company cannot guarantee future events, results, actions, levels of activity, performance or achievements, and the timing and results of biotechnology development and potential regulatory approval is inherently uncertain. Forward-looking statements are subject to risks and uncertainties that may cause the Company's actual activities or results to differ significantly from those expressed in any forward-looking statement, including risks and uncertainties related to the Company's ability to advance its product candidates, the receipt and timing of potential regulatory designations, approvals and commercialization of product candidates, the impact of the COVID-19 pandemic on the Company's business, clinical trial sites, supply chain and manufacturing facilities, the Company's ability to maintain and recognize the benefits of certain designations received by product candidates, the timing and results of preclinical and clinical trials, the Company's ability to fund development activities and achieve development goals, the Company's ability to protect intellectual property, the value of the Company's holdings of Vaxcyte common stock, and the Company's commercial collaborations with third parties and other risks and uncertainties described under the heading "Risk Factors" in documents the Company files from time to time with the Securities and Exchange Commission. These forward-looking statements speak only as of the date of this press release, and the Company undertakes no obligation to revise or update any forward-looking statements to reflect events or circumstances after the date hereof.

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