



UNITY Biotechnology, Inc. Announces First Patient Treated in UBX0101 Phase 1 Trial for Osteoarthritis of the Knee

June 25, 2018

First UNITY Clinical Trial Designed to Eliminate Senescent Cells Associated with Age-Related Diseases

SAN FRANCISCO, June 25, 2018 (GLOBE NEWSWIRE) -- UNITY Biotechnology, Inc. ("UNITY") (NASDAQ:UBX), a biotechnology company developing therapeutics to extend healthspan by slowing, halting or reversing diseases of aging, today announced the treatment of the first patient in the Phase 1 clinical trial evaluating UBX0101 in moderate to severe osteoarthritis of the knee.

"For many people, we believe that osteoarthritis is the main reason why it hurts to get old," said Jamie Dananberg, M.D., chief medical officer at UNITY. "By designing a treatment to selectively eliminate senescent cells in the joints of patients diagnosed with painful osteoarthritis, our goal is to alter the otherwise disabling course of this disease."

"This is an important milestone for UNITY," said Keith Leonard, chief executive officer of UNITY. "This is the first time we have treated a patient with a drug to eliminate senescent cells. While this study is designed to establish safety, we are also looking for the earliest signals of reducing senescent cell burden in this disease of aging."

About the UBX0101 Phase 1 Clinical Trial

The Phase 1 clinical trial of UBX0101 is a randomized, double-blind, placebo-controlled, single ascending dose study that will evaluate safety, tolerability and pharmacokinetics of a single intra-articular injection of UBX0101 in patients diagnosed with moderate to severe osteoarthritis of the knee. Patients will be randomly assigned to receive UBX0101 or placebo in 3:1 randomization by dose level cohort. Additional information about the trial can be found on www.clinicaltrials.gov.

About Cellular Senescence and Senolytic Medicines

Cellular senescence is a natural biological state in which a cell permanently halts division. Senescent cells accumulate with age and secrete as many as 100 different biologically active proteins, including pro-inflammatory factors, proteases, pro-fibrotic factors and growth factors that disturb the tissue microenvironment. This collection of secreted proteins is referred to as the Senescence Associated Secretory Phenotype, or SASP. In addition to its effects on tissue function, the SASP contains factors that induce senescence in neighboring cells, setting off a cascade of events that culminates in the formation of the functionally aged and/or diseased tissue that appears to underlie a variety of age-associated diseases. UNITY believes that the elimination of senescent cells will remove SASP factors—addressing a root cause of diseases of aging. Senolytic medicines, or treatments designed to selectively remove senescent cells, target the SASP at its source, and may have a more durable impact on disease than current therapies.

About UNITY Biotechnology, Inc.

UNITY Biotechnology, Inc. is developing therapeutics to extend healthspan by slowing, halting or reversing diseases of aging. UNITY's initial focus is on creating senolytic medicines to selectively eliminate senescent cells and thereby treat age-related diseases, such as osteoarthritis, eye diseases and pulmonary diseases. More information is available at www.unitybiotechnology.com or follow us on [Twitter](https://twitter.com/unitybiotech).

Forward-Looking Statements

This press release contains forward-looking statements, including but not limited to statements related to our potential to selectively eliminate senescent cells and thereby treat patients with osteoarthritis. Such forward-looking statements involve substantial risks and uncertainties that could cause UNITY's research and clinical development programs, future results, performance or achievements to differ significantly from those expressed or implied by the forward-looking statements. Such risks and uncertainties include, among others, the uncertainties inherent in the drug development process, including UNITY's early stage of development and its understanding of senescence biology, the clinical trial enrollment process, the regulatory approval processes, the timing of regulatory filings, the challenges associated with manufacturing drug products, UNITY's ability to successfully protect and defend its intellectual property, and other matters that could affect the sufficiency of existing cash to fund operations and the availability or commercial potential of UNITY's product candidates. UNITY undertakes no obligation to update or revise any forward-looking statements. For a further description of the risks and uncertainties that could cause actual results to differ from those expressed in these forward-looking statements, as well as risks relating to the business of the Company in general, see UNITY's recently filed Registration Statement on Form S-1 and any subsequent current and periodic reports filed with the Securities and Exchange Commission.

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