



## miRagen Therapeutics to Present New Clinical Trial Data for MRG-106, an Oligonucleotide Therapeutic Targeting microRNA-155, at the American Society of Clinical Oncology Annual Meeting

May 17, 2017

*New Phase 1 data will be released including safety, efficacy and pharmacokinetics after intravenous and subcutaneous administration in patients with the mycosis fungoides (MF) form of cutaneous T-cell lymphoma (CTCL)*

BOULDER, Colo., May 17, 2017 (GLOBE NEWSWIRE) -- Miragen Therapeutics, Inc. (NASDAQ:MGEN), a clinical-stage biopharmaceutical company focused on the discovery and development of microRNA-targeted therapies, announced today that new interim results from its ongoing Phase 1 clinical study of MRG-106 will be presented on June 5, 2017 at the American Society of Clinical Oncology (ASCO) Annual Meeting being held June 2-6, 2017 in Chicago, Illinois.

MRG-106 is an inhibitor of microRNA-155. In CTCL, as well as certain other blood cancers, microRNA-155 is present at abnormally high levels and plays a role in the proliferation of blood and lymph cells. miRagen believes therapeutic inhibition of microRNA-155 can reduce aberrant cell proliferation and tumor growth that is characteristic of certain types of cancer.

"We look forward to presenting updated data from our ongoing Phase 1 trial evaluating MRG-106 in patients suffering from MF, a serious and sometimes disfiguring form of CTCL, at this year's ASCO Annual Meeting," said miRagen President and Chief Executive Officer, William S. Marshall, Ph.D. "The study being presented is an example of our commitment to developing innovative product candidates to treat serious diseases for which there are few, if any, viable therapeutic options. We believe that the experience gained in developing MRG-106 for MF may also allow us to address other indications where microRNA-155 is implicated in disease."

### Poster Presentation Details

**Abstract title:** Phase 1 trial evaluating MRG-106, a synthetic inhibitor of microRNA-155, in patients with cutaneous t-cell lymphoma (CTCL)

- **Poster session:** Hematologic Malignancies – Lymphoma and Chronic Lymphocytic Leukemia
- **Poster number:** 326
- **Date:** Monday, June 5, 2017, 8:00 a.m. - 11:30 a.m. CT
- **Location:** Hall A

For additional information, please visit the ASCO website: [www.asco.org](http://www.asco.org)

### About miRagen Therapeutics, Inc.

miRagen Therapeutics, Inc. is a clinical-stage biopharmaceutical company discovering and developing proprietary RNA-targeted therapies with a specific focus on microRNAs and their role in diseases where there is a high unmet medical need. miRagen's two lead product candidates, MRG-106 and MRG-201, are currently in Phase 1 clinical trials. miRagen's clinical product candidate for the treatment of certain cancers, MRG-106, is an inhibitor of microRNA-155, which is found at abnormally high levels in several blood cancers. miRagen's clinical product candidate for the treatment of pathological fibrosis, MRG-201, is a replacement for microRNA-29, which is found at abnormally low levels in a number of pathological fibrotic conditions, including cutaneous, cardiac, renal, hepatic, and pulmonary fibrosis, as well as systemic sclerosis. In addition to miRagen's clinical programs, it is developing a pipeline of pre-clinical product candidates. The goal of miRagen's translational medicine strategy is to progress rapidly to first in human studies once it has established the pharmacokinetics, pharmacodynamics and safety of the product candidate in pre-clinical studies. For more information, please visit [www.miragenrx.com](http://www.miragenrx.com).

For information on clinical trials please visit [www.clinicaltrials.gov](http://www.clinicaltrials.gov).

### Note Regarding Forward-Looking Statements

This press release may contain forward-looking statements that involve substantial risks and uncertainties for purposes of the safe harbor provided by the Private Securities Litigation Reform Act of 1995. All statements contained in this press release other than statements of historical fact, including statements regarding miRagen's strategy, future operations, future financial position, future revenue, projected expenses, prospects, plans and objectives of management or the expected features of or potential indications for miRagen's product candidates are forward-looking statements. The words "believe," "may," "will," "estimate," "continue," "anticipate," "intend," "plan," "expect," "predict," "potential," "opportunity," "goals," or "should," and similar expressions are intended to identify forward-looking statements. Such statements are based on management's current expectations and involve risks and uncertainties. Actual results and performance could differ materially from those projected in the forward-looking statements as a result of many factors, including, without limitation: that miRagen has incurred losses since its inception, and anticipates that it will continue to incur significant losses for the foreseeable future; future financing activities may cause miRagen to restrict its operations or require it to relinquish rights; miRagen may fail to demonstrate safety and efficacy of its product candidates; miRagen's product candidates are unproven and may never lead to marketable products; miRagen's product candidates are based on a relatively novel technology, which makes it difficult to predict the time and cost of development and of subsequently obtaining regulatory approval, if at all; and miRagen's product candidates may cause undesirable side effects or have other properties that could delay or prevent the regulatory approval.

miRagen has based these forward-looking statements largely on its current expectations and projections about future events and trends. These forward-looking statements are subject to a number of risks, uncertainties and assumptions, including those described under the heading "Risk Factors" in miRagen's Annual Report on Form 10-K and subsequent periodic reports filed with the Securities and Exchange Commission. Moreover, miRagen operates in a very competitive and rapidly changing environment. New risks emerge from time to time. It is not possible for its management to predict all risks, nor can it assess the impact of all factors on its business or the extent to which any factor, or combination of factors, may cause

actual results to differ materially from those contained in any forward-looking statements it may make. In light of these risks, uncertainties and assumptions, the future events and trends discussed in this press release may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. miRagen undertakes no obligation to revise or publicly release the results of any revision to such forward-looking statements, except as required by law. Given these risks and uncertainties, readers are cautioned not to place undue reliance on such forward-looking statements. All forward-looking statements are qualified in their entirety by this cautionary statement.

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Source: miRagen Therapeutics, Inc.