UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of January 2014.

Commission File Number: 001-34949

Tekmira Pharmaceuticals

(Translation of registrant's name into English)

100-8900 Glenlyon Parkway
Burnaby, British Columbia
Canada, V5J 5J8
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.
Form 20-F [x] Form 40-F [ ]

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): ___

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): ___

DOCUMENTS FILED AS PART OF THIS FORM 6-K

See the Exhibit Index hereto.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Tekmira Pharmaceuticals

Date: January 14, 2014

By: **/s/ BRUCE G. COUSINS**
Name: Bruce G. Cousins
Title: *Executive Vice President and Chief Financial Officer*

EXHIBIT INDEX

Exhibit	**Description**
99.1	Press release dated January 14, 2014

Tekmira Doses First Subject in Human Clinical Trial of TKM-Ebola

VANCOUVER, British Columbia, Jan. 14, 2014 (GLOBE NEWSWIRE) -- Tekmira Pharmaceuticals Corporation (Nasdaq:TKMR) (TSX:TKM), a leading developer of RNA interference (RNAi) therapeutics, today announced that it has dosed the first subject in a Phase I human clinical trial of TKM-Ebola, an anti-Ebola viral therapeutic that is being developed under a US$140 million contract with the U.S. Department of Defense.

"We are pleased to announce the first subject has been dosed in a Phase I clinical trial evaluating the safety of a new LNP formulation for our TKM-Ebola therapeutic. Building upon our compelling preclinical results, the Phase I data generated will guide our determination of the appropriate dose of this drug for the potential use as a medical countermeasure against this lethal hemorrhagic fever virus. We remain on track to have data from this trial available in the second half of this year," said Dr. Mark J. Murray, Tekmira's President and CEO.

"Tekmira's leadership in the area of anti-viral therapy for hemorrhagic fever viruses – and the innovations generated by our TKM-Ebola program – have formed a strong foundation for future RNAi-based anti-viral therapeutics, such as our earlier stage TKM-Marburg candidate," added Dr. Murray.

The TKM-Ebola Phase I clinical trial is a randomized, single-blind, placebo-controlled study involving single ascending doses and multiple ascending doses of TKM-Ebola. The study will assess the safety, tolerability and pharmacokinetics of administering TKM-Ebola to healthy adult subjects. Four subjects will be enrolled per cohort. There are four planned cohorts for a total of 16 subjects in the single dose arm, and three planned cohorts for a total of 12 subjects in the multiple dose arm of the trial. Each cohort will enroll three subjects who receive TKM-Ebola, and one who will receive placebo.

About TKM-Ebola

TKM-Ebola, an anti-Ebola viral therapeutic, is being developed under a contract with the U.S. Department of Defense's Joint Project Manager Medical Countermeasure Systems (JPM-MCS), with a total contract value of approximately $140 million. Earlier preclinical studies were published in the medical journal *The Lancet* and demonstrated that when siRNA targeting the Ebola virus and delivered by Tekmira's LNP technology were used to treat previously infected non-human primates, the result was 100 percent protection from an otherwise lethal dose of Zaire Ebola virus (Geisbert et al., *The Lancet*, Vol 375, May 29, 2010). Tekmira's productive collaboration with the JPM-MCS was modified and expanded in 2013 to include significant advances in LNP formulation technology since the initiation of the program in 2010.

About BioDefense Therapeutics (BD Tx)

This work is being conducted under contract with the US Department of Defense's (DoD) BioDefense Therapeutics (BD Tx), a Joint Product Manager within the Medical Countermeasure Systems (JPM-MCS) Joint Project Management Office. A component of the Joint Program Executive Office for Chemical and Biological Defense, JPM-MCS aims to provide U.S. military forces and the nation with safe, effective and innovative medical solutions to counter chemical, biological, radiological and nuclear threats. JPM-MCS facilitates the advanced development and acquisition of medical countermeasures and systems to enhance our nation's biodefense response capability. For more information, visit www.jpeocbd.osd.mil.

About RNAi and Tekmira's LNP

RNAi therapeutics have the potential to treat a broad number of human diseases by "silencing" disease causing genes. The discoverers of RNAi, a gene silencing mechanism used by all cells, were awarded the 2006 Nobel Prize for Physiology or Medicine. RNAi therapeutics, such as "siRNAs," require delivery technology to be effective systemically. Tekmira believes its LNP technology represents the most widely adopted delivery technology for the systemic delivery of RNAi therapeutics. Tekmira's LNP platform is being utilized in multiple clinical trials by both Tekmira and its partners. Tekmira's LNP technology (formerly referred to as stable nucleic acid-lipid particles or SNALP) encapsulates siRNAs with high efficiency in uniform lipid nanoparticles that are effective in delivering RNAi therapeutics to disease sites in numerous preclinical models. Tekmira's LNP formulations are manufactured by a proprietary method which is robust, scalable and highly reproducible, and LNP-based products have been reviewed by multiple FDA divisions for use in clinical trials. LNP formulations comprise several lipid components that can be adjusted to suit the specific application.

About Tekmira

Tekmira Pharmaceuticals Corporation is a biopharmaceutical company focused on advancing novel RNAi therapeutics and providing its leading lipid nanoparticle delivery technology to pharmaceutical partners. Tekmira has been working in the field of nucleic acid delivery for over a decade and has broad intellectual property covering LNPs. Further information about Tekmira can be found at www.tekmirapharm.com. Tekmira is based in Vancouver, B.C.

Forward-Looking Statements and Information

This news release contains "forward-looking statements" or "forward-looking information" within the meaning of applicable securities laws (collectively, "forward-looking statements"). Forward-looking statements in this news release include statements about the Phase I human clinical trial of TKM-Ebola and the contract with the U.S. Department of Defense; timing and availability

of data from the Phase I human clinical trial; future RNAi-based anti-viral therapeutics; and Tekmira's strategy, future operations, prospects and the plans of management.

With respect to the forward-looking statements contained in this news release, Tekmira has made numerous assumptions regarding, among other things: LNP's status as a leading RNAi delivery technology; and the timing and quantum of payments to be received under contracts with Tekmira's partners. While Tekmira considers these assumptions to be reasonable, these assumptions are inherently subject to significant business, economic, competitive, market and social uncertainties and contingencies.

Additionally, there are known and unknown risk factors which could cause Tekmira's actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements contained herein. Known risk factors include, among others: TKM-Ebola may not prove to be an effective anti-viral therapy for hemorrhagic fever viruses; data from the TKM-Ebola Phase I human clinical trial may not be available as currently anticipated, or at all; the U.S. Department of Defense may suspend or terminate its participation in the TKM-Ebola program; and Tekmira's products may not prove to be effective or as potent as currently believed.

A more complete discussion of the risks and uncertainties facing Tekmira appears in Tekmira's Annual Report on Form 20-F for the year ended December 31, 2012, which is available at www.sedar.com or at www.sec.gov/edgar. All forward-looking statements herein are qualified in their entirety by this cautionary statement, and Tekmira disclaims any obligation to revise or update any such forward-looking statements or to publicly announce the result of any revisions to any of the forward-looking statements contained herein to reflect future results, events or developments, except as required by law.

CONTACT: Investors
Jodi Regts
Director, Investor Relations
Phone: 604-419-3234
Email: jregts@tekmirapharm.com

Media
David Ryan
Longview Communications Inc.
Phone: 416-649-8007
Email: dryan@longviewcomms.ca