GTX INC /DE/ Form 8-K June 11, 2009

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

FORM 8-K CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 Date of Report (Date of earliest event reported): June 11, 2009 GTx. Inc.

(Exact name of Registrant as specified in its charter)

Delaware000-5054962-1715807(State or other jurisdiction of incorporation or organization)(Commission incorporation or organization)(I.R.S. Employer identification No.)

175 Toyota Plaza 7th Floor Memphis, Tennessee 38103

(901) 523-9700

(Address, including zip code, of Registrant s principal executive offices Registrant s telephone number, including area code,)
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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ITEM 8.01 Other Events.

On June 11, 2009, GTx, Inc. issued a press release announcing the results of a Phase II clinical trial evaluating Ostarine (MK-2866), an investigational selective androgen receptor modulator (SARM), in patients with cancer induced muscle loss, also known as cancer cachexia, a copy of which is furnished as Exhibit 99.1 to this Current Report.

ITEM 9.01 Financial Statements and Exhibits.

(c) Exhibits

Exhibit

Number Description

99.1 Press Release issued by GTx, Inc. dated June 11, 2009

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SIGNATURE

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

GTx, Inc.

Date: June 11, 2009 By: /s/ Henry P. Doggrell

Name: Henry P. Doggrell

Title: Vice President, General Counsel and

Secretary