

GTX INC /DE/  
Form 8-K  
June 21, 2010

**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 21, 2010**

**GTx, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**

(State or other Jurisdiction of  
Incorporation)

**000-50549**

(Commission File Number)

**62-1715807**

(IRS Employer Identification No.)

**175 Toyota Plaza**

**7th Floor**

**Memphis, Tennessee**

(Address of Principal Executive Offices)

**38103**

(Zip Code)

Registrant's telephone number, including area code: **(901) 523-9700**

(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:

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

ITEM 8.01 Other Events.

On May 25, 2010, GTx, Inc. issued a press release announcing that Ostarine (GTx-024, formerly MK-2866) increased lean body mass and leg press strength in a head to head study evaluating Ostarine and another selective androgen receptor modulator (SARM), MK-3984, in postmenopausal women, 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 21, 2010

**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 21, 2010

By: /s/ Henry P. Doggrell

Name: Henry P. Doggrell

Title: Vice President, General Counsel/Secretary