

REPOS THERAPEUTICS INC.  
Form 8-K  
October 25, 2010

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

FORM 8-K

Current Report Filed Pursuant to Section 13 or 15(d) of  
The Securities Exchange Act of 1934

Date of Report  
(Date of earliest event reported): October 25, 2010

Repos Therapeutics Inc.  
(Exact name of registrant as specified in its charter)

|   |                                       |   |
|---|---------------------------------------|---|
| Delaware<br>(State or other jurisdiction of<br>incorporation or organization) | 001-15281<br>(Commission File Number) | 76-0233274<br>(I.R.S. Employer<br>Identification No.) |
|---|---------------------------------------|---|

2408 Timberloch Place, Suite B-7  
The Woodlands, Texas 77380  
(Address of principal  
executive offices  
and zip code)  
(281) 719-3400  
(Registrant's telephone  
number, including area code)

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):

- 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 October 25, 2010, Repros Therapeutics Inc. (the “Company”) issued a press release titled “Repros® Therapeutics Begins Randomization of Subjects in Androxal® Type II Diabetes Phase II Trial.” A copy of such press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

| Exhibit<br>Number | Description                          |
|-------------------|--------------------------------------|
| 99.1              | Press Release dated October 25, 2010 |

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SIGNATURES

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

Repros Therapeutics Inc.

Date: October 25, 2010

By: /s/ Joseph S. Podolski  
Joseph S. Podolski  
President and Chief Executive Officer

EXHIBIT INDEX

| Exhibit<br>Number | Description                          |
|-------------------|--------------------------------------|
| 99.1              | Press Release dated October 25, 2010 |

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