

ADVANCED CELL TECHNOLOGY, INC.

Form 8-K

November 22, 2010

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): November 22, 2010

ADVANCED CELL TECHNOLOGY, INC.

(Exact name of registrant as specified in its charter)

Delaware  
(State or other jurisdiction  
of incorporation)

000-50295  
(Commission File Number)

87-0656515  
(IRS Employer  
Identification Number)

33 Locke Street, Marlborough, MA 01752  
(Address of principal executive offices, including zip code)

(510) 756-1212  
(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:

- 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 CAR 240.13e-4(c))



ITEM 7.01 Regulation FD Disclosure.

On November 22, 2010, Advanced Cell Technology, Inc. (the “Company”) issued a press release announcing that it received FDA clearance for the first clinical trial using embryonic stem cells to treat macular degeneration. A copy of the Company’s press released is furnished herewith as Exhibit 99.1.

ITEM 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit Number	Description of Exhibit
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99.1	Press release of Advanced Cell Technology, Inc., dated November 22, 2010
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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, hereunto duly authorized.

ADVANCED CELL TECHNOLOGY, INC.

By: /s/ William M. Caldwell, IV  
William M. Caldwell, IV  
Chief Executive Officer

Dated: November 22, 2010

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EXHIBIT INDEX

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