

OPEXA THERAPEUTICS, INC.

FORM 424B3

(Prospectus filed pursuant to Rule 424(b)(3))

Filed 08/14/07

Address	2635 TECHNOLOGY FOREST BLVD. THE WOODLANDS, TX 77381
Telephone	(281) 272-9331
CIK	0001069308
Symbol	OPXA
SIC Code	2834 - Pharmaceutical Preparations
Industry	Biotechnology & Drugs
Sector	Healthcare
Fiscal Year	12/31

OPEXA THERAPEUTICS, INC.

FORM 424B3

(Prospectus filed pursuant to Rule 424(b)(3))

Filed 8/14/2007

Address	2635 N. CRESCENT RIDGE DRIVE THE WOODLANDS, Texas 77381
Telephone	(281) 272-9331
CIK	0001069308
Industry	Biotechnology & Drugs
Sector	Healthcare
Fiscal Year	12/31

Powered By **EDGAR**Online

<http://www.edgar-online.com/>

© Copyright 2006. All Rights Reserved.

Distribution and use of this document restricted under EDGAR Onlines Terms of Use.

Filed Pursuant to Rule 424(b)(3)
Registration No. 333-134046

Prospectus Supplement No. 4
to Prospectus dated June 29, 2006
as amended effective April 13, 2007

Opexa Therapeutics, Inc.

7,113,720 Shares of Common Stock

We are supplementing the prospectus dated June 29, 2006, as subsequently amended by Post Effective Amendment No. 3, effective April 13, 2007, to provide information contained in our:

Quarterly Report on Form 10-QSB for the second quarter ended June 30, 2007

This Prospectus Supplement is not complete without, and may not be delivered or utilized except in connection with, the Prospectus dated June 29, 2006 as subsequently amended by Post Effective Amendment No. 3, effective April 13, 2007, with respect to the resale of the 7,113,720 shares of common stock, including any amendments or supplements thereto.

Investing in our common stock involves a high degree of risk. You should read carefully this entire prospectus, including the section captioned "Risk Factors" beginning on page 15, before making a decision to purchase our stock.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this Supplement is August 14, 2007