





**Item 8.01. Other Events.**

On September 5, 2008, ZIOPHARM Oncology, Inc. issued the press release attached hereto as Exhibit 99.1, which is incorporated herein by reference.

**Item 9.01. Financial Statements and Exhibits.**

(d) Exhibits.

99.1

Press Release dated September 5, 2008.

**SIGNATURES**

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.

ZIOPHARM Oncology, Inc.:

(Registrant)

Date: September 8, 2008

By: /s/ Richard E. Bagley

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Name: Richard E. Bagley

Title: President and Chief Operating Officer

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