

BRENNAN MURRAY  
 Form 4  
 April 01, 2010

**FORM 4**

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

OMB APPROVAL

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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**BRENNAN MURRAY**

2. Issuer Name and Ticker or Trading Symbol  
**ZIOPHARM ONCOLOGY INC  
 [ZIOP]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction  
 (Month/Day/Year)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

**MEMORIAL SLOAN KETTERING  
 CANCER CENTER, 1275 YORK  
 AVENUE**

03/31/2010

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**NEW YORK, NY 10021**

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock, \$.001 par value	03/31/2010		A <sup>(1)</sup>	15,000 A \$ 0	67,500 <sup>(2)</sup>	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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 (9-02)

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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Director Stock Option	\$ 4.31					12/22/2006 12/22/2014	Common Stock, \$ .001 par value 15,029
Stock Option (right to buy)	\$ 5.01					04/26/2006 04/26/2016	Common Stock 15,000
Stock Option (right to buy)	\$ 6.49					12/13/2009 12/13/2016	Common Stock 15,000
Stock Option (right to buy)	\$ 4.85					<u>(3)</u> 06/18/2017	Common Stock 15,000
Stock Option (right to buy)	\$ 2.73					<u>(4)</u> 12/12/2017	Common Stock 20,000
Stock Option (right to buy)	\$ 0.7					<u>(5)</u> 05/13/2019	Common Stock 15,000
Stock Option (right to buy)	\$ 2.85					<u>(6)</u> 12/31/2019	Common Stock, \$ .001 par value 7,500
Stock Option (right to buy)	\$ 5.09	03/31/2010		A	15,000	03/31/2011 03/31/2020	Common Stock, \$ .001 par value 15,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BRENNAN MURRAY MEMORIAL SLOAN KETTERING CANCER CENTER 1275 YORK AVENUE NEW YORK, NY 10021	X			

## Signatures

/s/ Murray  
Brennan

04/01/2010

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Grant of restricted stock; restrictions lapse on the anniversary date of the date of grant.
- (2) In addition to the current grant, includes a prior grant of restricted stock with restrictions that will lapse as to 3,750 shares on each of December 31, 2010 and December 31, 2011.
- (3) 5,000 shares vest on each of 6/18/08, 6/18/09 and 6/18/10.
- (4) 6,667 shares vest on each of 12/12/08 and 12/12/09; 6,666 shares vest on 12/12/10.
- (5) 5,000 shares vest on each of 12/31/09, 6/30/10 and 12/31/10.
- (6) 3,750 shares vest on each of 12/31/2010 and 12/31/2011.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.