

ZIOPHARM ONCOLOGY INC

Reported by
BAGLEY RICHARD E

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 01/05/10 for the Period Ending 12/31/09

Address	1180 AVENUE OF THE AMERICA 19TH FLOOR NEW YORK, NY 10036
Telephone	646-214-0700
CIK	0001107421
Symbol	ZIOP
SIC Code	8093 - Specialty Outpatient Facilities, Not Elsewhere Classified
Industry	Biotechnology & Drugs
Sector	Healthcare
Fiscal Year	12/31

FORM 4

[] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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(f) of the
Investment Company Act of 1940

1. Name and Address of Reporting Person * BAGLEY RICHARD E <small>(Last) (First) (Middle)</small> ONE FIRST AVE, BUILDING 34, NAVY YARD PLAZA <small>(Street)</small> BOSTON, MA 02129 <small>(City) (State) (Zip)</small>	2. Issuer Name and Ticker or Trading Symbol ZIOPHARM ONCOLOGY INC [ZIOP]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director _____ 10% Owner <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) President, COO & Treasurer
3. Date of Earliest Transaction (MM/DD/YYYY) <p align="center">12/31/2009</p>		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
4. If Amendment, Date Original Filed (MM/DD/YYYY) 		

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

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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 Indirect Beneficial Ownership (Instr. 4)	
			Code	V	Amount	(A) or (D)				Price
Common Stock, \$.001 par value	12/31/2009		A	(10)	50000	A	\$0	209125	D	

Table II - Derivative Securities Beneficially Owned (e.g. , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$1.7							(1)	7/1/2014	Common Stock	150668		150668	D	
Stock Option (right to buy)	\$4.31							(2)	6/8/2015	Common Stock	63197		63197	D	
Stock Option (right to buy)	\$4.31							(3)	9/13/2015	Common Stock	27417		27417	D	
Stock Option (right to buy)	\$5.01							4/26/2006	4/26/2016	Common Stock	54873		54873	D	
Stock Option (right to buy)	\$5.01							(4)	4/26/2016	Common Stock	40000		40000	D	
Stock Option (right to buy)	\$6.49							(5)	12/13/2016	Common Stock	20000		20000	D	
Stock Option (right to buy)	\$4.85							(6)	6/18/2017	Common Stock	25000		25000	D	
Stock Option (right to buy)	\$2.73							(7)	12/12/2017	Common Stock	75000		75000	D	
Stock Option (right to buy)	\$2.14							(8)	6/25/2018	Common Stock	60000		60000	D	
Stock Option (right to buy)										Common					

Table II - Derivative Securities 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. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
to buy)	\$0.70							(9)	5/13/2019	Stock	100000		100000	D	
Stock Option (right to buy)	\$2.85	12/31/2009		A	V	50000		(11)	12/31/2019	Common Stock	50000	\$0	50000	D	

Explanation of Responses:

- (1) 50,223 shares vest on each of 7/1/05 and 7/1/06; 50,222 shares vest on 7/1/07.
- (2) 21,066 shares vest on each of 7/1/05 and 7/1/06; 21,065 shares vest on 7/1/07.
- (3) 9,139 shares vest on each of 9/13/05, 7/1/06 and 7/1/07.
- (4) 20,000 shares vest immediately; the remainder vest on 12/14/06.
- (5) 6,667 shares vest on each of 12/13/07 and 12/13/08; 6,666 shares vest on 12/13/09.
- (6) 8,334 shares vest on 6/18/08; 8,333 shares vest on each of 6/18/09 and 6/18/10.
- (7) 25,000 shares vest on each of 12/12/08, 12/12/09 and 12/12/10.
- (8) 20,000 shares vest on each of 6/25/2009, 6/25/2010 and 6/25/2011.
- (9) 25,000 shares vest immediately; 25,000 shares vest on each of 8/13/2009, 11/13/2009 and 2/13/2010.
- (10) Grant of restricted stock; restrictions lapse with respect to 16,667 shares on each of 12/31/2011 and 12/31/2012 and as to 16,666 shares on 12/31/2013.
- (11) 16,667 shares vest on each of 12/31/2011 and 12/31/2012 and 16,666 shares vest on 12/31/2013.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BAGLEY RICHARD E ONE FIRST AVE, BUILDING 34 NAVY YARD PLAZA BOSTON, MA 02129	X		President, COO & Treasurer	

Signatures

/s/ Richard E. Bagley

1/5/2010

Date

** Signature of Reporting Person

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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