## FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB AP	OMB APPROVAL								
OMB Number:	3235-02								

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hours per response: 0.5

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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1. Name and Address of Reporting Person* <u>CANNON JAMES ANTHONY</u>					2. Issuer Name and Ticker or Trading Symbol ZIOPHARM ONCOLOGY INC [ ZIOP ]  5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner													
(Last) (First) (Middle) BBDO						3. Date of Earliest Transaction (Month/Day/Year)  12/09/2009  Officer (give title below)  below)  Other (sp below)									pecify			
1285 AVENUE OF THE AMERICAS					_ 4.	4. If Amendment, Date of Original Filed (Month/Day/Year)  6. Individual or Joint/Group Filing (Check Applicable Line)										olicable		
(Street) NEW YORK NY 10019													X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City) (State) (Zip)																		
		Tak	ole I - No	n-Deri	ivativ	e Se	curities	s Ac	quired,	Dis	posed o	f, or Be	neficia	ally Owne	d			
1. Title of Security (Instr. 3)  2. Transa Date (Month/D				Execution Date,		r, Transaction Disposed Code (Instr. 5)		ities Acquired (A) or d Of (D) (Instr. 3, 4 and				6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)				
								Code	v	Amount	(A) or (D) Pr		Transa	Transaction(s) (Instr. 3 and 4)			(	
Common Stock, \$.001 par value				09/200	/2009 P 175,000 A S					S3.1 <sup>(6)</sup> 220,000			D					
		•	Table II -	Derivates (e.g.,	ative puts,	Sec call	urities s, warr	Acq ants	uired, D s, option	isp s, c	osed of, convertil	or Bene ble secu	eficial ırities)	ly Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	cise (Month/Day/Year) ve	Saction 3A. Deeme Execution		d 4. Date, Transact Code (In:		5. Number on of		6. Date Exercisable Expiration Date (Month/Day/Year)		•			Derivativ Security		ve es ially ng ed etion(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisab		Expiration Date	Title	Amoun or Numbe of Shares	er				
Director Stock Option (right to buy)	\$4.31								(1)	1	12/22/2014	Common Stock, \$.001 par value	15,02	9	15,02	9	D	
Director Stock Option (right to buy)	\$5.01								04/26/200	6 (	04/26/2016	Common Stock	15,00	0	15,00	0	D	
Director Stock Option (right to buy)	\$6.49								(2)	1	12/13/2016	Common Stock	15,00	0	15,00	0	D	
Director Stock Option (right to buy)	\$4.85								(3)		06/18/2017	Common Stock	15,00	0	15,00	0	D	
Stock Option (right to buy)	\$2.73								(4)	1	12/12/2017	Common Stock	20,00	0	20,00	0	D	
Stock Option (right to buy)	\$0.7								(5)	(	05/13/2019	Common Stock	15,00	0	15,00	0	D	
Warrants to Purchase common stock	\$4.02	12/09/2009			P		87,500		12/09/200	9   1	12/09/2014	Common Stock	87,50	0 \$0 <sup>(6)</sup>	87,50	0	D	

## **Explanation of Responses:**

- 1. 7,515 shares vest on 12/22/05 and 7,514 shares vest on 12/22/06.
- 2. 5,000 shares vest on each of 12/13/07, 12/13/08 and 12/13/09.
- 3. 5,000 shares vest on each of 6/18/08, 6/18/09 and 6/18/10.
- $4.\ 6,\!667\ shares\ vest\ on\ each\ of\ 12/12/08\ and\ 12/12/09;\ 6,\!666\ shares\ vest\ on\ 12/12/10.$
- $5.\ 5,\!000\ shares\ vest\ on\ each\ of\ 12/31/09,\ 6/30/2010\ and\ 12/31/2010.$
- 6. Pursuant to purchase of units, each comprised of one share of common stock and a warrant to purchase 0.5 of a share of common stock, for a price per unit equal to \$3.10.

/s/ James A. Cannon

12/09/2009

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.