FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	2054

	OMB
STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	OMB Number

OMB APPROVAL 3235-0287 OMB Number: Estimated average burden

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hours per response:

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	n 30(h)	of the	Inves	tment	Company Act	of 1940								
	d Address of	Reporting Person*			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 X 10% Owner															
	(Fii FAL DEPAF OVE AVEN	RTMENT	Middle	2)		3. Date of Earliest Transaction (Month/Day/Year) 01/20/2012							Officer (give title Other (spec below) below)			specify				
(Street) RADFOI			24141 Zip)	L	4. 1	4. If Amendment, Date of Original Filed (Month/Day/Year)				6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person X Form filed by More than One Reporting Person										
		Tabl	eI-	Non-Deriv	ative	Sec	uritie	s Ac	cquir	ed, [Disposed o	of, or E	Benefic	ciall	y Owne	ed				
1. Title of S	Security (Inst	r. 3)		2. Transactio Date (Month/Day/\		if any	emed tion Dat n/Day/Ye	e,	3. Transa Code (I 8)		4. Securities Disposed Of 5)	Acquired (D) (Instr	(A) or . 3, 4 and	S	. Amount Securities Beneficially Dwned Foll	,	6. Owne Form: D (D) or In (I) (Instr	irect direct	7. Natu Indired Benefi Owner	ct icial rship
									Code	v	Amount	(A) or (D)	Price	т	Reported (Instr. 4) Transaction(s) (Instr. 3 and 4)				4)	
Common	Stock			01/20/20	12				P		1,923,075	A	\$5.2	!	9,896,2	236	I			ntrexon oration ⁽¹⁾
Common	Stock														1,346,4	162	I			Capital LLC ⁽²⁾
Common Stock													42,577		D					
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)	Exec if any	deemed ution Date, th/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 Securities (Month/Day/Year) 7. Title and Amount of Securities (Month/Day/Year) 8. Use Exercisable and Expiration Date (Month/Day/Year) 9. Code (Instr. 3, 4 and 5)		nt of ties lying tive	D S (I	. Price of erivative ecurity nstr. 5)	9. Num derivat Securit Benefit Owned Follow Report Transa (Instr. 4	tive ties Form Direct or Inc (I) (In the decision of the decis										
					Code	v	(A)	(D)	Date Exer	e rcisabl	Expiration e Date	Title	Amount or Number of Shares							
	d Address of	Reporting Person*					,		•				,	*	·				,	

1. Name and Address of Reporting Person* KIRK RANDAL J								
(Last)	t) (First)							
C/O LEGAL DEPA								
1881 GROVE AVENUE								
(Street)								
RADFORD	VA	24141						
(City)	(State)	(Zip)						
1. Name and Address o	· -							
(Last)	(First)	(Middle)						
C/O LEGAL DEPARTMENT								
20358 SENECA MEADOWS PARKWAY								
(Street)								
GERMANTOWN	MD	20876						
(City)	(State)	(Zip)						

1. Randal J. Kirk, directly and through certain affiliates, has voting and dispositive power over a majority of the outstanding capital stock of Intrexon Corporation. Mr. Kirk may therefore be deemed to have voting and dispositive power over the shares of the issuer owned by Intrexon Corporation. Shares held by Intrexon Corporation may be deemed to be indirectly beneficially owned (as defined under Rule 13d-3 promulgated under the Securities Exchange Act of 1934, as amended) by Mr. Kirk. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

2. Randal J. Kirk controls Kapital Joe, LLC ("Kapital Joe"). Shares held by Kapital Joe may be deemed to be indirectly beneficially owned (as defined under Rule 13d-3 promulgated under the Securities Exchange Act of 1934, as amended) by Mr. Kirk. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

Remarks:

 /s/ Randal J. Kirk, CEO of Intrexon Corporation
 01/23/2012

 /s/ Randal J. Kirk
 01/23/2012

 ** Signature of Reporting Person
 Date

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.

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.