FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Washington,	D.C.	20549	

OMB APPROVAL

OMB Number: 3235-0287 Estimated average burden 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

					or	Sectio	n 30(h) of	the In	vestment	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 Issue (Check all applicable) X Director X 10% Owner.		vner										
	(Fi RD SECUF OVE AVEN	RITY, LLC	Middle	·)	3. Date of Earliest Transaction (Month/Day/Year) 11/07/2012 Officer (give title below) Other (specify below)						specify							
(Street)			24141		4. 11	f Amer	ndment, Da	ate of	Original F	Filed (Month/D	ay/Year)			n filed b	Group Fil y One Re y More th	eporting	Perso	n
(City)	(St		Zip)															
1. Title of S	Security (Inst		eI-	2. Transaction Date (Month/Day/	on	2A. De Execu	eemed Ition Date,	3. Tra	nsaction de (Instr.	4. Securities Disposed Of 5)	Acquired	l (A) or	5. Amount Securities Beneficiall Owned Fol	of y	6. Owne Form: D (D) or In (I) (Instr	irect direct	7. Natu Indired Benefi Owner	ct icial rship
								Co	de V	Amount	(A) or (D)	Price	Reported Transactio (Instr. 3 an				(Instr.	4)
Common	Stock			11/07/20	12			P		3,636,926	A	(1)	13,533,	,162	I			ntrexon oration ⁽²⁾
Common	Stock												1,346,	462	I			Kapital LLC ⁽³⁾
Common	Stock												42,57	77	D)		
		Та	ble I							sposed of, , convertib								
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Exectification if any	eemed ution Date, th/Day/Year)	4. Transa Code 8)		5. Numb of Derivatir Securitir Acquire (A) or Dispose of (D) (Instr. 3, and 5)	ve (les d	. Date Exc expiration Month/Da		7. Title Amour Securi Under Deriva Securi and 4)	nt of ties lying tive ty (Instr. 3	8. Price of Derivative Security (Instr. 5)	9. Num derivat Securi Benefi Owned Follow Report Transa (Instr.	tive ties cially I ing ed ction(s)	10. Owner Form: Direct or Indi (I) (Ins	ship ((D) (rect (11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A) (I		oate Exercisabl	Expiration e Date	Title	Amount or Number of Shares						
	nd Address of	Reporting Person*																
(Last)		(First)	(Middle)		-												

1. Name and Address of KIRK RANDA		erson*					
Last) (First) (Middle)							
C/O THIRD SECU	RITY, LLC						
1881 GROVE AVE	NUE						
(Street)							
RADFORD	ADFORD VA 24141						
(City)	(City) (State) (Zip)						
1. Name and Address of INTREXON CO		erson*					
Last) (First) (Middle)							
ATTN: LEGAL DE	PARTMEN	T					
20358 SENECA M	EADOWS I	PARKWAY					
(Street)							
GERMANTOWN	MD	20876					
(City)	(State)	(Zip)					

- 1. Shares were issued in connection with the satisfaction of a contingency contained in an Exclusive Channel Partner Agreement dated January 6, 2011 between the issuer and Intrexon Corporation (the "Agreement"), in partial consideration for the execution and delivery of the Agreement.
- 2. 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.
- 3. 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
 11/09/2012

 /s/ Randal J. Kirk, CEO of Intrexon Corporation
 11/09/2012

 ** 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.