

ZIOPHARM ONCOLOGY INC  
 Form 4  
 January 14, 2011

**FORM 4**

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

OMB APPROVAL

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

**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 \*  
**KIRK RANDAL J**

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)

**C/O THIRD SECURITY, LLC, 1881 GROVE AVENUE**

**01/12/2011**

(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

**RADFORD, VA 24141**

(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 Indirect Beneficial Ownership (Instr. 4)		
			Code	V	Amount	(A) or (D)	Price		
Common Stock	01/12/2011		A		25,000 <sup>(1)</sup>	A	\$ 0 25,000	D	
Common Shares	01/12/2011		P		2,426,235	A	\$ 4.8 2,426,235	I	By Intrexon Corporation <sup>(2)</sup>
Common Stock	01/12/2011		P		3,636,926	A	<sup>(3)</sup> 6,063,161	I	By Intrexon Corporation <sup>(2)</sup>

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

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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)	Amount or Number of Shares
Option to Purchase Common Stock	\$ 5.21	01/12/2011		A	25,000	<u>(4)</u> 01/12/2021	Common Stock	25,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KIRK RANDAL J C/O THIRD SECURITY, LLC 1881 GROVE AVENUE RADFORD, VA 24141	X	X		
INTREXON CORP C/O LEGAL DEPARTMENT 20358 SENECA MEADOWS PARKWAY GERMANTOWN, MD 20876		X		

## Signatures

/s/ Randal J. Kirk 01/14/2011

\_\_Signature of Reporting Person Date

/s/ Randal J. Kirk, CEO of Intrexon Corporation 01/14/2011

\_\_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) All restrictions related to the grant of restricted stock will lapse on January 12, 2012.

Randal J. Kirk, directly and through certain affiliates, has voting and dispositive power over a majority of the outstanding capital stock of

(2) Intrexon Corporation. Mr. Kirk may therefore be deemed to have voting and dispositive power over the shares of the issuer owned by Intrexon Corporation. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

(3) Shares were issued as partial consideration in connection with the execution of an Exclusive Channel Partner Agreement dated January 6, 2011 between the issuer and Intrexon Corporation.

(4) Option to purchase shares of common stock will vest over a three (3) year period as follows: 8,334 shares on January 12, 2012; 8,333 shares on January 12, 2013; and 8,333 shares on January 12, 2014.

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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