ZIOPHARM ONCOLOGY INC Form SC 13D/A October 31, 2013

#### UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SCHEDULE 13D (Amendment No. 5)\* Under the Securities Exchange Act of 1934

#### ZIOPHARM ONCOLOGY, INC.

(Name of Issuer)

Common Stock, par value \$0.001 per share

(Title of Class of Securities)

98973P101

(CUSIP Number)

Third Security, LLC 1881 Grove Avenue Radford, Virginia 24141 Attention: Marcus E. Smith, Esq. (540) 633-7900

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

Copy to: Intrexon Corporation Attention: Legal 20374 Seneca Meadows Parkway Germantown, Maryland 20876 (301) 556-9809

#### October 29, 2013

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition which is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(b)(3) or (4), check the following box o.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 89365K206 Page 2 of 6

	NAMES OF REPORTING PERSONS
1	I.R.S. IDENTIFICATION NOS. OF
	ABOVE PERSONS

Randal J. Kirk

- 2 CHECK THE APPROPRIATE BOX IF 2 A MEMBER OF GROUP (a) o (b) x 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

PF

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) 6 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

#### 7 SOLE VOTING POWER

- NUMBER OF SHARES 1,423,252 BENEFICIALLY OWNED BY 8 SHARED VOTING POWER EACH REPORTING 16,390,305 PERSON WITH
  - 9 SOLE DISPOSITIVE POWER

1,423,252

## SHARED DISPOSITIVE POWER

	10
	16,390,305
11	AGGREGATE AMOUNT
	BENEFICIALLY OWNED BY
	EACH REPORTING PERSON
	17,813,557
	CHECK IF THE AGGREGATE
12	AMOUNT IN ROW (11) EXCLUDESo
	CERTAIN SHARES
13	PERCENT OF CLASS
	REPRESENTED BY AMOUNT IN

ROW (11) 18.2% TYPE OF REPORTING PERSON IN

14

CUSIP No. 98973P101 Page 3 of 6

1	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS					
	Intrexon Corporation I.R.S. IDENTIFICATION NO.: 26-0084895					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF GROUP (a) o					
3	(b) x SEC USE ONLY					
4	SOURCE OF FUNDS					
5	WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) CITIZENSHIP OR PLACE OF					
6	ORGANIZATION					
	Virginia					
NUMBER OF	7 SOLE VOTING POWER					
SHARES BENEFICIALLY	0					
OWNED BY EACH	8 SHARED VOTING POWER					
REPORTING PERSON WITH	16,390,305					
	9 SOLE DISPOSITIVE POWER					
	0					
	SHARED DISPOSITIVE POWER 10 16 200 205					
11	16,390,305 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 16,390,305					
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDESo CERTAIN SHARES					

13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 16.7%
14	TYPE OF REPORTING PERSON CO

## CUSIP No. 98973P101 Page 4 of 6

This Amendment No. 5 (the "Amendment") amends and supplements the Statement on Schedule 13D, dated January 12, 2011 and filed on January 20, 2011, as amended by Amendment No. 1 dated February 3, 2011 and filed on February 11, 2011, Amendment No. 2 dated August 9, 2011 and filed on August 16, 2011, Amendment No. 3 dated January 20, 2012 and filed on January 25, 2012, and Amendment No. 4 dated November 7, 2012 and filed November 9, 2012 (the "Original Schedule 13D"), relating to the Common Stock, par value \$0.001 per share (the "Common Stock"), of ZIOPHARM Oncology, Inc., a Delaware corporation (the "Company"). Mr. Randal J. Kirk ("Mr. Kirk") and Intrexon Corporation, a Virginia corporation ("Intrexon" and, together with Mr. Kirk, the "Reporting Persons"), are filing this Amendment to disclose the purchase by Intrexon, an affiliate of Mr. Kirk, of 2,857,143 shares of Common Stock in an underwritten public offering of the Company on October 29, 2013. Mr. Kirk could be deemed to have indirect beneficial ownership of the shares of Common Stock directly beneficially owned by Intrexon and Kapital Joe, LLC ("Kapital Joe"), a Virginia limited liability company that is managed by an affiliate that is managed by Third Security, LLC, a Virginia limited liability company that is managed by Mr. Kirk.

Except as set forth below, there are no changes to the information set forth in the Original Schedule 13D.

#### Item 3. Source and Amount of Funds or Other Consideration.

Item 3 of the Original Schedule 13D is hereby amended and supplemented as follows:

On October 29, 2013, Intrexon utilized its working capital to purchase 2,857,143 shares of Common Stock in an underwritten public offering of the Company, for an aggregate purchase price of approximately \$10,000,000, or \$3.50 per share.

### Item 5. Interest in Securities of the Issuer.

Items 5(a) and (b) of the Original Schedule 13D are hereby amended and restated to read in their entirety as follows:

(a) and (b) See Items 11 and 13 of the cover pages to this Statement for the aggregate number of shares and percentage of issued and outstanding shares of Common Stock of the Company owned by the Reporting Persons. The percentage ownership is calculated based on 83,696,029 shares of Common Stock issued and outstanding as of October 14, 2013, as disclosed by the Company as of such date in its Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2013, increased by 14,300,000 shares of Common Stock issued in the underwritten public offering, and 16,667 shares of Common Stock issuable upon exercise of stock options directly owned by Mr. Kirk that are currently exercisable.

					Sole Power	Shared
	Amount of Common		Sole	Shared	to	Power to
			Power	Power to	Dispose or	Dispose or
	Stock	Percent	to Vote or	Vote or	to	to
	Beneficially	of	Direct	Direct	Direct the	Direct the
Reporting Person	Owned	Class	the Vote	the Vote	Disposition	Disposition
Randal J. Kirk <sup>(1)</sup>	17,813,557	18.2%	1,423,252	16,390,305	1,423,252	16,390,305
Intrexon Corporation	16,390,305	16.7%	—	16,390,305		16,390,305

(1)Includes 1,346,462 shares of Common Stock held by Kapital Joe.

CUSIP No. 98973P101 Page 5 of 6

Mr. Kirk could be deemed to have indirect beneficial ownership of the shares of Common Stock directly beneficially owned by Intrexon and Kapital Joe.

Item 7. Material to be Filed as Exhibits.

Exhibit 1 Joint Filing Agreement, dated as of October 31, 2013, by and between Mr. Kirk and Intrexon

### CUSIP No. 98973P101 Page 6 o f 6

#### **SIGNATURES**

After reasonable inquiry and to the best of their knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Date: October 31, 2013

/s/ Randal J. Kirk Randal J. Kirk

#### INTREXON CORPORATION

By:/s/ Randal J. Kirk Randal J. Kirk Chief Executive Officer

## EXHIBIT INDEX

Exhibit 1 Joint Filing Agreement, dated as of October 31, 2013, by and between Mr. Kirk and Intrexon