

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

1. Name and Address of Reporting Person* <b>MARINO JAMES J</b>  (Last) (First) (Middle) <b>C/O ONCONOVA THERAPEUTICS</b> <b>375 PHEASANT RUN</b>  (Street) <b>NEWTOWN PA 18940</b>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>Onconova Therapeutics, Inc. [ ONTX ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner  Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <b>07/26/2016</b>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person  Form filed by More than One Reporting Person

**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	08/01/2016 <sup>(1)</sup>		X		24,405	A	\$4.1 <sup>(1)</sup>	24,415	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)	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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Subscription Rights (right to buy)	\$4.1	07/26/2016 <sup>(1)</sup>		X		15		07/08/2016	07/26/2016	See Footnote <sup>(1)</sup>	15	\$0	0	D	
Warrants (right to buy)	\$4.92	08/01/2016 <sup>(1)</sup>		X		18,303		07/29/2016	07/27/2021	Common Stock <sup>(2)</sup>	18,303	<sup>(1)</sup>	18,303	D	

**Explanation of Responses:**

- The common stock and the warrants reported on this Form 4 were acquired pursuant to the exercise of subscription rights previously distributed by Onconova Therapeutics, Inc. (the "Company") to all holders of the Company's common stock. The subscription rights entitled each recipient thereof to purchase 1.5 units ("Units") for each share of stock owned. Each Unit consists of one share of the Company's common stock and 0.75 of a warrant, with each warrant representing the right to purchase one share of the Company's common stock. The purchase price for each Unit was \$4.10. Shareholders could also subscribe for an additional allocation of Units, for which rights were not exercised. This allocation to shareholders was completed on August 1, 2016.
- Each warrant entitles the holder to purchase one share of the Company's common stock at an exercise price of \$4.92 from the date of issuance through July 27, 2021.

/s/ Ramesh Kumar as attorney-in-fact      08/10/2016

\*\* 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.