

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).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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 * <u>Wolf Jeffrey Alan</u> _____ (Last) (First) (Middle) <u>C/O 801 CAPITOLA DRIVE</u> _____ (Street) <u>DURHAM NC 27713</u> _____ (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>HEAT BIOLOGICS, INC. [ HTBX ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <p style="text-align: center;"><b>Chief Executive Officer</b></p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/19/2014</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

**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	05/19/2014		P		1,754	A	\$4.15	2,914	D	
Common Stock	05/19/2014		P		400	A	\$4.05	3,314	D	
Common Stock	05/19/2014		P		346	A	\$4.1	3,660	D	
Common Stock								695,653	I	See footnotes <sup>(1)(3)</sup>
Common Stock								536,862	I	See footnotes <sup>(2)(3)</sup>

**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					

1. Name and Address of Reporting Person * <u>Wolf Jeffrey Alan</u> _____ (Last) (First) (Middle) <u>C/O 801 CAPITOLA DRIVE</u> _____ (Street) <u>DURHAM NC 27713</u> _____ (City) (State) (Zip)
1. Name and Address of Reporting Person * <u>Orion Holdings V, LLC</u> _____ (Last) (First) (Middle) <u>C/O 801 CAPITOLA DRIVE</u> _____ (Street) <u>DURHAM NC 27713</u> _____ (City) (State) (Zip)

1. Name and Address of Reporting Person \*

Seed-One Holdings VI, LLC

(Last) (First) (Middle)

C/O 801 CAPITOLA DRIVE

(Street)

DURHAM NC 27713

(City) (State) (Zip)

**Explanation of Responses:**

1. Held by Orion Holdings V, LLC ("Orion"). Mr. Wolf is managing member of Orion.
2. Held by Seed-One Holdings VI, LLC ("Seed-One"). Mr. Wolf is managing member of Seed-One.
3. Does not include 89,957 shares held by Mr. Wolf's children's trust (the "Trust"). Mr. Wolf is not the trustee, nor does he claim beneficial ownership of the Trust.

/s/ Jeffrey Wolf 05/20/2014

Orion Holdings V, LLC, By: /s/  
Jeffrey Wolf, Managing Member 05/20/2014

Seed-One Holdings V, LLC, By:  
/s/ Jeffrey Wolf, Managing  
Member 05/20/2014

\*\* 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.**