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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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> <hr/> (Last) (First) (Middle) <u>C/O 100 EUROPA DRIVE</u> <hr/> (Street) <u>CHAPEL HILL NC 27517</u> <hr/> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>07/23/2013</u>	3. Issuer Name and Ticker or Trading Symbol <u>HEAT BIOLOGICS, INC. [HTBX]</u>	
		4. 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) Other (specify below) <p style="text-align: center;"><u>Chief Executive Officer</u></p>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	695,653 ⁽¹⁾⁽²⁾	I	By Orion Holdings V, LLC ⁽³⁾
Common Stock	536,862 ⁽¹⁾⁽²⁾	I	By Seed-One Holdings VI, LLC ⁽³⁾

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Options	12/18/2009	12/17/2019	Common Stock	10,965 ⁽⁴⁾	2.3	D	
Options	12/18/2009	12/17/2019	Common Stock	108,696 ⁽⁴⁾	0.71	D	
Series B Preferred Stock	(5)	(5)	Common Stock	1,160 ⁽⁵⁾	(5)	D	

1. Name and Address of Reporting Person * <u>Wolf Jeffrey Alan</u> <hr/> (Last) (First) (Middle) <u>C/O 100 EUROPA DRIVE</u> <hr/> (Street) <u>CHAPEL HILL NC 27517</u> <hr/> (City) (State) (Zip)		
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1. Name and Address of Reporting Person * <u>Orion Holdings V, LLC</u> <hr/> (Last) (First) (Middle) <u>C/O 100 EUROPA DRIVE</u> <hr/> (Street) <u>CHAPEL HILL NC 27517</u> <hr/> (City) (State) (Zip)		
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1. Name and Address of Reporting Person *

[Seed-One Holdings VI, LLC](#)

(Last) (First) (Middle)

[C/O 100 EUROPA DRIVE](#)

(Street)

[CHAPEL HILL NC 27517](#)

(City) (State) (Zip)

Explanation of Responses:

1. Does not include 86,957 shares of common stock beneficially owned by Mr. Wolf's children's trust which Mr. Wolf is not the trustee of. Mr. Wolf disclaims beneficial ownership of these shares except to the extent of any pecuniary interest (as defined in Rule 16a - 1(a)(2) promulgated under the Exchange Act) that he may have in such entities.
2. Does not include shares of common stock that will be issued upon consummation of the Company's initial public offering resulting in net proceeds of at least \$15 million in lieu of Series B-2 Preferred Stock that was committed to be purchased upon receipt of certain grant funding and the shares underlying warrants to be issued at such time.
3. Mr. Wolf serves as the managing member. Mr. Wolf is deemed to beneficially own the shares held by such entities as in his role as the managing member he has the control over the voting and disposition of any shares held by these entities.
4. Fully Vested.
5. The Series B Preferred Stock automatically converts into shares of common stock to be issued upon consummation of the Company's initial public offering resulting in net proceeds of at least \$15 million.

[/s/ Jeffrey Wolf](#) [07/23/2013](#)

[/s/ Jeffrey Wolf, Managing
Member Orion Holdings V, LLC](#) [07/23/2013](#)

[/s/ Jeffrey Wolf, Managing
Member of Seed-One Holdings V,
LLC](#) [07/23/2013](#)

** 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 5 (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.