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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**

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>Rosar Ann A</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) Director 10% Owner Officer (give title below) Other (specify below) X <u>VP of Finance</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>01/08/2018</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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
<u>Common Stock</u>	<u>01/08/2018</u>		<u>A</u>		<u>45,000<sup>(1)</sup></u>	<u>A</u>	<u>\$0</u>	<u>108,236</u>	<u>D</u>	

**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 Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
<u>Stock Options</u>	<u>\$0.4</u>	<u>01/08/2018</u>		<u>A</u>		<u>66,176</u>		<u>02/01/2018<sup>(2)</sup></u>	<u>01/01/2028</u>	<u>Common Stock</u>	<u>66,176</u>	<u>\$0</u>	<u>66,176</u>	<u>D</u>	

**Explanation of Responses:**

- The 45,000 shares of Heat Biologics, Inc. (the "Company") common stock, \$0.0002 par value per share (the "Common Stock"), are represented by 45,000 restricted stock units ("RSUs") granted under the Company's stock incentive plan. Each RSU represents a contingent right to receive one share of Common Stock. The 45,000 RSUs vest as follows: (i) 11,250 vested on January 8, 2018; (ii) 11,250 will vest on January 8, 2019; (iii) 11,250 will vest on January 8, 2020; and (iv) 11,250 will vest on January 8, 2021, provided that the reporting person is not terminated for cause prior to such dates.
- These stock options vest monthly on a pro rata basis over a four year period commencing February 1, 2018.

/s/ Ann Rosar

01/10/2018

\*\* 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.