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**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

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 VP of Finance
	3. Date of Earliest Transaction (Month/Day/Year) <u>01/01/2019</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			
Common Stock	01/01/2019		A		89,430 <sup>(1)</sup>	A	\$0	93,379 <sup>(2)</sup>	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 Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Stock Options	\$1.06	01/01/2019		A		110,570		01/01/2019 <sup>(3)</sup>	01/01/2029	Common Stock	\$0	110,570	D	

**Explanation of Responses:**

- The 89,430 restricted shares of Heat Biologics, Inc. (the "Company") common stock, \$0.0002 par value per share (the "Common Stock"), vest as follows: 50% vest immediately, 30% vest on the one year anniversary of the date of grant, 10% vest on the two year anniversary of the date of grant and 10% vest on the three year anniversary of the date of grant.
- The share numbers reflect the one for ten reverse stock split effected January 19, 2018.
- The stock options to purchase 110,570 shares of Common Stock vest as follows: 50% vest immediately, 30% vest on the one year anniversary of the date of grant, 10% vest on the two year anniversary of the date of grant and 10% vest on the three year anniversary of the date of grant.

/s/ Ann Rosar 01/03/2019  
 \*\* 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.

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