FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

vvasimigton,	D.O.	200-0	

OMB APPROVAL

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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* EMANUELE ROBERT MARTIN					2. Issuer Name and Ticker or Trading Symbol Mast Therapeutics, Inc. [MSTX]								heck a	all applica Director	, 10% Ow		/ner	
(Last) (First) (Middle) 12390 EL CAMINO REAL, SUITE 150					3. Date of Earliest Transaction (Month/Day/Year) 01/02/2015								X Officer (give title below) Other (specify below) Senior VP, Development					
(Street) SAN DII			92130 (Zip)	4	4. If Amendment, Date of Original Filed (Month/Day/Year)							ne) X	′					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
Date				2. Transacti Date Month/Day	Execution Date,		Code (Instr.						Form Ily (D) o ollowing (I) (In		Direct Indirect I	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
								Code	v	Amount	ount (A) or (D)		т	Transaction(s) (Instr. 3 and 4)				,111341.4)
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)	Code	action (Instr.	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)		Derivative Security		9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amount or Number of Share	s		(Instr. 4)) II(2)		
Stock Option (Right to Buy)	\$0.58	01/02/2015		A		500,250		(1)		01/02/2025	Common Stock	500,25	0 3	\$0.00	500,25	0	D	

Explanation of Responses:

1. This option vests and becomes exercisable in 48 substantially equal monthly installments on each monthly anniversary of January 2, 2015, subject to the reporting person's continued service.

Remarks:

/s/ Brandi L. Roberts, Attorneyin-Fact for R. Martin Emanuele

01/02/2015

** 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.