FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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

**OMB APPROVAL** OMB Number: Estimated average burden hours per response: 0.5

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>LIEF JACK</u>					2. Issuer Name and Ticker or Trading Symbol  Mast Therapeutics, Inc. [ MSTX ]							elationship of the control of the co	cable) r	10	% Own	ier	
(Last)	,	rst) MACEUTICAL	(Middle) .S, INC.		3. Date of Earliest Transaction (Month/Day/Year) 06/11/2015							Officer below)	(give title		Other (specify below)		
6166 NANCY RIDGE DRIVE					4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable					
(Street) SAN DIEGO CA 92121												X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(S	tate)	(Zip)														
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)					Execution Date,			3. Transaction Code (Instr. 1) 8)  4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5)			ed (A) or tr. 3, 4 and	5. Amour Securitie Beneficia Owned F	s ally ollowing	6. Ownershi Form: Direc (D) or Indire (I) (Instr. 4)	of ct Bo	7. Nature of Indirect Beneficial Ownership	
								Code V	Amount	(A) or (D)	Price	Reported Transact (Instr. 3 a	ion(s)		"	Instr. 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)	/e   Conversion   Date   Execution Date, or Exercise   (Month/Day/Year)   if any		Code (	Transaction Code (Instr.		ve es d ed nstr.	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 derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owne Form: Direct or Ind (I) (Ins	ship (D) irect	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares						
Stock Option (Right to Buy)	\$0.5	06/11/2015		A		82,963		(1)	06/11/2025	Common Stock	82,963	\$0.00	82,963	Γ			

## **Explanation of Responses:**

1. This option vests and becomes exercisable in 12 substantially equal monthly installments on each monthly anniversary of June 11, 2015, subject to the reporting person's continued service with the issuer.

## Remarks:

/s/ Brandi L. Roberts, Attorney- 06/12/2015 in-Fact for Jack Lief

\*\* 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.