FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
Estimated average burden								
hours per response:	0.5							

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* Parsley Edwin L.					2. Issuer Name and Ticker or Trading Symbol Mast Therapeutics, Inc. [MSTX]					(Ch	eck all applic Directo	able)	Person(s) to Issi	vner	
					3. Date of Earliest Transaction (Month/Day/Year) 01/04/2016							below)	(give title Other (s below) f Medical Officer & SVP		' '
(Street) SAN DII			92130 (Zip)	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)				6. I Lin	e) X Form fi Form fi	Form filed by One Reporting Person Form filed by More than One Reporting Person				
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned															
1. Title of Security (Instr. 3) 2. Transa Date (Month/D			•	Execution Date,		Code (Ins	Transaction Disposed Of (D) (Instr. 3, 4			Beneficia Owned F	s Forn lly (D) o ollowing (I) (Ir	orm: Direct	7. Nature of Indirect Beneficial Ownership		
							Code V	Amount	(A) o (D)	r Price	Reported Transacti (Instr. 3 a	on(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)	or Exercise (Month/Day/Year) if any		Execution Date,	Transaction Code (Instr. Secu 8) Acqu or Di of (D		Derivativ Securitie Acquired or Dispo of (D) (In	Derivative Ex		6. Date Exercisable and Expiration Date (Month/Day/Year)		d Amount ies g : Security nd 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)	(s)	
Employee Stock Option (Right to Buy)	\$0.42	01/04/2016		A		572,700		(1)	01/04/2026	Common Stock	572,700	\$0.00	572,700	D	

Explanation of Responses:

1. This option vests and becomes exercisable in 48 substantially equal monthly installments on each monthly anniversary of January 4, 2016, subject to the reporting person's continued service with the issuer.

Remarks:

/s/ Edwin L. Parsley

01/06/2016

** 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.