

Mast Therapeutics, Inc.  
 Form 3  
 January 22, 2016

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL  
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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Hood Shana		(Month/Day/Year)	Mast Therapeutics, Inc. [MSTX]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
3611 VALLEY CENTRE DRIVE, SUITE 500		01/19/2016	(Check all applicable)	
(Street)			<input type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
SAN DIEGO,Â CAÂ 92130			<input checked="" type="checkbox"/> Officer	<input type="checkbox"/> Other
(City)	(State)	(Zip)	(give title below)	(specify below)
			General Counsel & VP	6. Individual or Joint/Group Filing(Check Applicable Line)
				<input checked="" type="checkbox"/> Form filed by One Reporting Person
				<input type="checkbox"/> Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

(Instr. 5)

Employee Stock Option (Right to Buy)	Â <u>(1)</u>	01/04/2026	Common Stock	409,000	\$ 0.42	D	Â
Employee Stock Option (Right to Buy)	Â <u>(2)</u>	06/11/2025	Common Stock	215,800	\$ 0.5	D	Â
Employee Stock Option (Right to Buy)	Â <u>(3)</u>	01/02/2025	Common Stock	176,500	\$ 0.58	D	Â
Employee Stock Option (Right to Buy)	Â <u>(4)</u>	06/19/2024	Common Stock	93,650	\$ 0.65	D	Â
Employee Stock Option (Right to Buy)	Â <u>(5)</u>	01/02/2024	Common Stock	25,600	\$ 0.47	D	Â
Employee Stock Option (Right to Buy)	Â <u>(6)</u>	06/19/2023	Common Stock	95,500	\$ 0.5	D	Â
Employee Stock Option (Right to Buy)	Â <u>(7)</u>	01/02/2023	Common Stock	22,400	\$ 0.59	D	Â
Employee Stock Option (Right to Buy)	Â <u>(8)</u>	12/07/2021	Common Stock	37,450	\$ 0.6	D	Â
Employee Stock Option (Right to Buy)	Â <u>(9)</u>	02/01/2021	Common Stock	27,069	\$ 2.29	D	Â
Employee Stock Option (Right to Buy)	Â <u>(10)</u>	03/16/2020	Common Stock	11,250	\$ 5.91	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Hood Shana 3611 VALLEY CENTRE DRIVE, SUITE 500 SAN DIEGO, CA 92130	Â	Â	Â General Counsel & VP	Â

## Signatures

/s/ Shana Hood 01/22/2016

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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).
- (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.
- (2) This option vests and becomes exercisable in 48 substantially equal monthly installments on each monthly anniversary of June 11, 2015, subject to the reporting person's continued service with the issuer.
- (3) 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 with the issuer.

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- (4) This option vests and becomes exercisable in 48 substantially equal monthly installments on each monthly anniversary of June 19, 2014, subject to the reporting person's continued service with the issuer.
- (5) This option vests and becomes exercisable in 48 substantially equal monthly installments on each monthly anniversary of January 2, 2014, subject to the reporting person's continued service with the issuer.
- (6) This option vests and becomes exercisable in 48 substantially equal monthly installments on each monthly anniversary of June 19, 2013, subject to the reporting person's continued service with the issuer.
- (7) This option vests and becomes exercisable in 48 substantially equal monthly installments on each monthly anniversary of January 2, 2013, subject to the reporting person's continued service with the issuer.
- (8) This option vested and became exercisable in 48 substantially equal monthly installments. The first installment vested and became exercisable on January 8, 2012 and the final installment on December 8, 2015.
- (9) This option vested and became exercisable as to one-fourth of the underlying shares on January 1, 2012, and thereafter in 36 substantially equal monthly installments such that it became fully vested and exercisable on January 1, 2015.
- (10) This option vested and became exercisable as to one-fourth of the underlying shares on February 16, 2011, and thereafter in 36 substantially equal monthly installments such that it became fully vested and exercisable on February 16, 2014.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.