# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

#### **SCHEDULE 13G**

Under the Securities Exchange Act of 1934 (Amendment No)*	
Magenta Therapeutics, Inc.	
(Name of Issuer)	
Common Stock, \$0.001 par value	
(Title of Class of Securities)	
55910K108	
(CUSIP Number)	
December 31, 2018	

(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- þ Rule 13d-1(b)
- Rule 13d-1(c)
- ☐ Rule 13d-1(d)

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

<sup>\*</sup> The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

1.	I. NAMES OF REPORTING PERSONS						
Eventide Asset Management, LLC							
2.							
3.	SEC USE ONLY	,					
4.	4. CITIZENSHIP OR PLACE OF ORGANIZATION						
	Delaware						
		5.	SOLE VOTING POWER				
			2,650,808				
	UMBER OF SHARES	6.	SHARED VOTING POWER				
BE	NEFICIALLY		0				
_	NED BY EACH EPORTING	7.	SOLE DISPOSITIVE POWER				
PERSON WITH			2,650,808				
		8.	SHARED DISPOSITIVE POWER				
			0				
9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON							
	2,650,808						
10.							
11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)							
	8.0%						
12.	TYPE OF REPO	NG PERSON (see instructions)					
	IA						

## Item 1.

- (a) Name of Issuer Magenta Therapeutics, Inc.
- (b) Address of Issuer's Principal Executive Offices 100 Technology Square, Cambridge, Massachusetts 02139

#### Item 2.

- (a) Name of Person Filing Eventide Asset Management, LLC
- (b) Address of the Principal Office or, if none, residence One International Place, Suite 4210, Boston, MA 02110
- (c) Citizenship Delaware
- (d) Title of Class of Securities Common Stock, \$0.001 par value
- (e) CUSIP Number 55910K108

Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(a)		Broker or dealer registered under section 15 of the Act (15 U.S.C. 780).
(b)		Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
(c)		Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
(d)		Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
(e)	þ	An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
(f)		An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
(g)		A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
(h)		A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
(i)		A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
(j)	П	Group, in accordance with §240.13d-1(b)(1)(ii)(J).

## Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: 2,650,808
- (b) Percent of class: 8.0%
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote: 2,650,808
  - (ii) Shared power to vote or to direct the vote: 0
  - (iii) Sole power to dispose or to direct the disposition of: 2,650,808
  - (iv) Shared power to dispose or to direct the disposition of: 0

Instruction. For computations regarding securities which represent a right to acquire an underlying security see §240.13d-3(d)(1).

#### Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following  $\Box$ .

Instruction. Dissolution of a group requires a response to this item.

## Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Eventide Asset Management, LLC, a Delaware limited liability company located at One International Place, Suite 4210, Boston, MA 02110, is the beneficial owner of 2,650,808 common shares, as of December 31, 2018, by virtue of being the investment adviser to registered investment companies ("Funds"). 1,716,161 shares, which represents 5.2% of the issuer's common stock, were held by the Eventide Gilead Fund. No other Fund held more than 5% of the common stock.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company.

N/A

Item 8. Identification and Classification of Members of the Group.

N/A

Item 9. Notice of Dissolution of Group.

N/A

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Item 10. Certification.						
course of business and were not acquired	of my knowledge and belief, the securities referred to above and are not held for the purpose of or with the effect of chare not held in connection with or as a participant in any tra	nanging or influencing the control of the issuer of				
After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.						
02/13/2019						
Date						
	/s/ Peter J. Luiso					
	Signature					
	Peter J. Luiso, Chief Compliance Officer and General Cou	unsel				
Name/Title						