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 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Olson Lisa	Requiring Sta (Month/Day/	2. Date of Event Requiring Statement (Month/Day/Year) 09/14/2020 3. Issuer Name and Ticker or Trading Symbol Magenta Therapeutics, Inc. [MGTA]								
(Last) (First) (Middle) C/O MAGENTA THERAPEUTICS,		- 1	Relationship of Reporting Issuer (Check all applicable) Director	Person(s) to		5. If Amendment, Date of Original Filed (Month/Day/Year)				
INC. 100 TECHNOLOGY SQUARE			X Officer (give title below)	Other below)	(specify	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person				
(Street) CAMBRIDGE MA 02139			See Fema	-		Form filed by More than One Reporting Person				
(City) (State) (Zip)										
Table I - Non-Derivative Securities Beneficially Owned										
1. Title of Security (Instr. 4)			. Amount of Securities seneficially Owned (Instr.	3. Own		4. Nature of Indirect Beneficial Ownership (Instr. 5)				
		4		(D) or li (I) (Inst	ndirect	-	isinp (ilisti.	5)		
(e.g		erivative		(D) or li (I) (Inst	ndirect r. 5)		isinp (msu.			
(e.g		erivative s, warran sable and	Securities Beneficia	(D) or li (I) (Insti Ily Owr ble sec	ndirect r. 5)	sion (5. Ownership Form: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)		

Explanation of Responses:

Remarks:

Head of Research and Chief Scientific Officer Exhibit 24.1: Power of Attorney

No securities are beneficially owned.

/s/ Zoran Zdraveski,

Attorney-in-Fact for Lisa 09/16/2020

Date

Olson

** Signature of Reporting

Person

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 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).

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.

Power of Attorney

Know all by these presents, that the undersigned hereby constitutes and appoints each of Zoran Zdraveski and Cindy Driscoll, signing singly, and with full power of substitution, as the undersigned's true and lawful attorney-infact to:

- (1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of Magenta Therapeutics, Inc., a Delaware corporation (the "Company"), from time to time the following Securities and Exchange Commission (the "SEC") forms: Forms 3, 4, and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the rules thereunder;
- (2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4, or 5, complete and execute any amendment or amendments thereto, and timely file such form with the SEC and any stock exchange or similar authority; and
- (3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, is not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Exchange Act.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact. This Power of Attorney shall expire as to any individual attorney-in-fact if such attorney-in-fact ceases to be an officer of the Company. This Power of Attorney may be filed with the SEC as a confirming statement of the authority granted herein.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 15th day of September, 2020.

Prin	nted	Name:	Lisa	Olson
ву:	/s/ 	Lisa	Olson	