| SEC For   | m 4<br>FORM -   | л I   |  | ) STA      | TES  | SF   | CUR   | ITIF | ES AND   | ЕХСНА              |  |  | ISSION  |  |    |  |   |
|---|---|---|--|------------|--|--|---|------|--|--------------------|--|--|---|--|----|--|---|
|   |   | ES SECURITIES AND EXCHANGE COMMISSION<br>Washington, D.C. 20549 |  |            |  |  |   |      |  |                    | OMB APPROVAL   |  |   |  |    |  |   |
| Section 16. Form 4 or Form 5<br>obligations may continue. See   |   |   |  |            | d purs   | IT OF CHANGES IN BENEFICIAL OWNERS<br>pursuant to Section 16(a) of the Securities Exchange Act of 1934<br>or Section 30(h) of the Investment Company Act of 1940 |   |      |  |                    |  |  |   | OMB Number: 3235-0287<br>Estimated average burden<br>hours per response: 0.5   |    |  |   |
| 1. Name and Address of Reporting Person <sup>*</sup> <u>Alleva Lawrence M</u>   |   |   |  |            |  | 2. Issuer Name <b>and</b> Ticker or Trading Symbol<br><u>Mersana Therapeutics, Inc.</u> [ MRSN ]   |   |      |  |                    |  |  |   |  |    |  | 0% Owner  |
| (Last) (First) (Middle)<br>C/O MERSANA THERAPEUTICS, INC.   |   |   |  |            | 3. Date of Earliest Transaction (Month/Day/Year)<br>01/15/2021 |  |   |      |  |                    |  |  | Officer (give title Other (specify below) below)  |  |    |  |   |
| 840 MEMORIAL DRIVE<br>(Street)<br>CAMBRIDGE MA 02139  |   |   |  |            | 4. If Amendment, Date of Original Filed (Month/Day/Year)       |  |   |      |  |                    |  |  | 6. Individual or Joint/Group Filing (Check Applicable<br>Line)<br>X Form filed by One Reporting Person<br>Form filed by More than One Reporting |  |    |  |   |
| (City)  | (Si   |   | Person   |            |  |  |   |      |  |                    |  |  |   |  |    |  |   |
| Table I - Non-Deriva       1. Title of Security (Instr. 3)       2. Transac Date (Month/Date)   |   |   |  |            | action   | ar) if   | A. Deemed<br>xecution Date<br>any<br>Month/Day/Yea  |      | e, 3. 4. Se<br>Transaction Disp<br>Code (Instr. 5) |                    | of, or Benefi<br>arities Acquired (A)<br>and Of (D) (Instr. 3, 4 |  | 5. Amou<br>Securitie<br>Benefici  | int of 6. C<br>es For<br>ally (D)<br>Following (I) (   |    | r Indirect   | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|   |   |   |  |            |  |  |   |      | Code V   | Amount             | (A) (<br>(D)   | Price                                  | Transac<br>(Instr. 3  | tion(s)  |    |  | (iii3u. 4)  |
| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned<br>(e.g., puts, calls, warrants, options, convertible securities) |   |   |  |            |  |  |   |      |  |                    |  |  |   |  |    |  |   |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)   | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year)                      | 3A. Deeme<br>Execution I<br>if any<br>(Month/Day | d<br>Date, | 1.<br>Fransa<br>Code (<br>3)                                   | ction  | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D)<br>(Instr. 3, 4<br>and 5) |      | 6. Date Exerc<br>Expiration D<br>(Month/Day/N      | cisable and ate    | 1  |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)   | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(S)<br>(Instr. 4) | ly | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>(Instr. 4)                             |
|   |   |   |  |            | Code   | v  | (A)   | (D)  | Date<br>Exercisable                                | Expiration<br>Date | Title  | Amount<br>or<br>Number<br>of<br>Shares |   |  |    |  |   |
| Stock<br>Option<br>(right to<br>buy)  | \$21.09   | 01/15/2021  |  |            | A  |  | 3,339   |      | (1)  | 01/15/2031         | Common<br>Stock  | 3,339                                  | \$0   | 3,339  |    | D  |   |

## Explanation of Responses:

1. The option becomes exercisable in equal quarterly installments on the last day of each calendar quarter of 2021.

## Remarks:

Exhibit List: Exhibit 24 - Power of Attorney

## <u>/s/ Brian DeSchuytner, as</u> <u>Attorney-in-Fact</u>

<u>01/20/2021</u>

\*\* 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.

## POWER OF ATTORNEY

The undersigned hereby constitutes and appoints Anna Protopapas, Brian DeSchuytner, and Jonathan Owen, with full power of substitution, as the undersigned's true and lawful attorney-in-fact to:

- (1) prepare, execute in the undersigned's name and on the undersigned's behalf, and submit to the U.S. Securities and Exchange Commission (the "SEC") a Form ID, including amendments thereto, and any other documents necessary or appropriate to obtain codes and passwords enabling the undersigned to make electronic filings with the SEC of reports required by Section 16(a) of the Securities Exchange Act of 1934, as amended, or any rule or regulation of the SEC;
- (2) execute for and on behalf of the undersigned, in the undersigned's capacity as officer and/or director of Mersana Therapeutics, Inc. (the "Company"), Forms 3, 4, and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended, and the rules thereunder;
- (3) do and perform any and all acts for and on behalf of the undersigned that 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
- (4) take any other action of any type whatsoever in connection with the foregoing that, 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 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, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934, as amended.

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 attorney-in-fact.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 9<sup>th</sup> day of October, 2020.

/s/ Lawrence Alleva Lawrence Alleva

[Signature Page to Limited Power of Attorney]