FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

| Washington,   | DС   | 20549 |
|---------------|------|-------|
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| heck this box if no longer subject |
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| Section 16. Form 4 or Form 5       |
| bligations may continue. See       |
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## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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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* Nielsen Jack  |                          | 2. Issuer Na<br><u>Harmon</u><br>HRMY ]                     |            |  |               | ng Symbol<br>oldings, I                                      | <u>nc.</u> [   |  |  | ck all app  Direct  Office   | licable)<br>tor<br>er (give titl                                  |  | Othe                                       | Owner<br>r (specify            |
|--|--------------------------|---|------------|--|---------------|--|--|--|--|--|---|--|--|--------------------------------|
| (Last) (First) (Middle) C/O HARMONY BIOSCIENCES HOLD INC. 630 W. GERMANTOWN PIKE, SUITE 2  | INGS,                    | 3. Date of E<br>04/07/202                                   |            | nsactio  | n (Mon        | ith/Day/Year)  |  |  |  | below  | <i>i</i> )  |  | belov                                      | v)<br>                         |
| (Street) PLYMOUTH MEETING PA 19462   | г                        | 4. If Amend   | ment, Date | e of Oriç  | ginal Fi      | iled (Month/Da   | ay/Year  |  | ine)   | Form   | filed by C  | ne Rep   | ng (Check<br>porting Pe<br>an One Re       |                                |
| (City) (State) (Zip)   |                          |   |            |  |               |  |  |  |  |  |   |  |  |                                |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned   |                          |   |            |  |               |  |  |  |  |  |   |  |  |                                |
| 1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Ye   |                          | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) |            | 3.<br>Transaction<br>Code (Instr.<br>8)                  |               | 4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4 a |  | d (A) or<br>r. 3, 4 and                | Beneficially<br>Owned Following              |  | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) |  | 7. Nature of Indirect Beneficial Ownership |                                |
|  |                          |   |            | Code   | v             | Amount   | (A) or<br>(D)  | Price                                  |  | Reported<br>Transact<br>(Instr. 3 a  | ion(s)  |  |  | (Instr. 4)                     |
| Common Stock   | 04/07/2022               | 2   |            | S <sup>(3)</sup>   |               | 656  | D  | \$50.25                                | 5(4)   | 13,  | 962   |  |  | See<br>Footnote <sup>(1)</sup> |
| Common Stock   | 04/07/2022               | 2   |            | S <sup>(3)</sup>   |               | 4,610  | D  | \$50.25                                | 5(4)   | 4,098  | 3,359   |  | 1 1  | See<br>Footnote <sup>(2)</sup> |
| Common Stock   | 04/08/2022               | 2   |            | S <sup>(3)</sup>   |               | 735  | D  | \$50.09                                | 13,227                                       |  | I   |  | See<br>Footnote <sup>(1)</sup>             |                                |
| Common Stock   | 04/08/2022               | 2   |            | S <sup>(3)</sup>   |               | 5,164  | D  | \$50.09                                | <b>)</b> (5)                                 | 4,093,195  |   | I  |  | See<br>Footnote <sup>(2)</sup> |
| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |                          |   |            |  |               |  |  |  |  |  |   |  |  |                                |
| Derivative Conversion Date Execuserity or Exercise (Month/Day/Year) if any   | eemed 4<br>ution Date, T | 4.<br>Transaction<br>Code (Instr.                           | er 6. D    | 6. Date Exercisable and Expiration Date (Month/Day/Year) |               | 7. Titl<br>Amou<br>Secur<br>Unde<br>Deriv<br>Secur           | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative<br>Security (Instr<br>3 and 4) |  | Price of<br>erivative<br>ecurity<br>1str. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 4) |   | 10.<br>Ownersh<br>Form:<br>Direct (D)<br>or Indirec<br>(I) (Instr. | Beneficial<br>Ownership<br>tt (Instr. 4)   |                                |
| Explanation of Posposes:   | c                        | Code V  | (A) (D)    | Date<br>Exe  | e<br>rcisable | Expiration<br>e Date   | Title  | Amount<br>or<br>Number<br>of<br>Shares |  |  |   |  |  |                                |

- 1. The shares are held of record by Vivo Capital Fund IX, L.P. Vivo Capital IX, LLC, is the General Partner of Vivo Capital Fund IX, L.P. As a managing member of Vivo Capital IX, LLC, Jack Nielsen shares voting and dispositive power with respect to the shares held of record by Vivo Capital Fund IX, L.P with other managing members, but disclaims beneficial ownership of such shares except to the extent of his individual pecuniary interest therein.
- 2. The shares are held of record by Vivo Capital Fund VIII, L.P. and Vivo Capital Surplus Fund VIII, L.P. vivo Capital VIII, L.C is the General Partner of Vivo Capital Fund VIII, L.P. and Vivo Capital Surplus Fund VIII, L.P. as a managing member of Vivo Capital VIII, L.P. and Vivo Capital Fund VIII, L.P. and Vivo Capital Surplus Fund VIII, L.P. with other managing members, but disclaims beneficial ownership of such shares except to the extent of his individual pecuniary interest therein.
- 3. The sales reported on this Form 4 were effectuated pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 14, 2021.
- 4. The price reported herein is a weighted average price. These shares were acquired on the open market in multiple transactions at prices ranging from \$50.00 to \$50.35, inclusive. The reporting person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares acquired at each separate price within the ranges set forth in footnote (4) to this Form 4.
- 5. The price reported herein is a weighted average price. These shares were acquired on the open market in multiple transactions at prices ranging from \$50.00 to \$50.70, inclusive. The reporting person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares acquired at each separate price within the ranges set forth in footnote (5) to this Form 4.

/s/ Christian Ulrich, Attorneyin-fact for Jack Bech Nielsen

04/11/2022

\*\* 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.