

UNITED STATES SECURITIES AND EXCHANGE  
COMMISSION

Washington, D.C. 20549

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

| OMB APPROVAL                                    |           |
|-------------------------------------------------|-----------|
| OMB Number:                                     | 3235-0104 |
| Estimated average burden<br>hours per response: | 0.5       |

|                                                                                                                                                                                                                                                                                                                        |                                                                            |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Name and Address of Reporting Person *<br><u>Thompson Travis Alvin</u><br><br>(Last) (First) (Middle)<br><u>C/O BICYCLE THERAPEUTICS PLC</u><br><u>BLOCKS A &amp; B, PORTWAY BUILDING</u><br><br>(Street)<br><u>CAMBRIDGE</u> <u>CB21 6GS</u><br><br>(City) (State) (Zip)<br><u>UNITED KINGDOM</u><br><br>(Country) | 2. Date of Event Requiring Statement (Month/Day/Year)<br><u>06/22/2023</u> | 3. Issuer Name and Ticker or Trading Symbol<br><u>BICYCLE THERAPEUTICS PLC</u> [ <u>BCYC</u> ]<br>Foreign Trading Symbol                                                                                                |                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                        |                                                                            | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><u>Chief Financial Officer</u> | 5. If Amendment, Date of Original Filed (Month/Day/Year)<br><u>07/03/2023</u><br><br>6. Individual or Joint/Group Filing (Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br>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) |
| Ordinary Shares                                        | 9,074 <sup>(1)(2)</sup>                               | D                                                        |                                                       |

| Table II - Derivative Securities Beneficially Owned<br>(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) |                            | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|                                                                                                                       | Date Exercisable                                         | Expiration Date | Title                                                                       | Amount or Number of Shares |                                                       |

Explanation of Responses:

1. Includes restricted stock unit ("RSU") awards. 3,094 RSUs shall vest in eleven equal quarterly installments commencing on July 3, 2023. 5,000 RSUs shall vest one-fourth (1/4) of the total number of RSUs on January 3, 2024, and the remaining RSUs shall vest in 12 equal quarterly installments thereafter.
2. Includes 980 ordinary shares that were inadvertently omitted from the Reporting Person's original Form 3, and also were omitted from all subsequent Forms 4 filed by the Reporting Person.

/s/ Travis Thompson

10/06/2026

\*\* 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 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.